CICS Messages and Codes Vol 1
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- DFHCPnnnn messages
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- DFHCRnnnn messages
- DFHDBCnnnn messages
- DFHDDnnnn messages
- DFHDDnnnn messages
- DFHDHnnnn messages

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Preface

What this manual is about

This manual contains messages unique to CICS® Transaction Server Version 4 Release 2 and is intended for use as a quick reference. It is closely linked with the CICS Problem Determination Guide which you can consult if a message indicates that there is a CICS problem. For information about problem determination, see Problem determination overview in Problem Determination.

This manual is volume 1 of the CICS messages and codes. It explains the format of CICS messages and contains DFH messages that are prefixed DFH01 to DFHMV. It also contains AMX server environment messages, transaction abend codes, and system abend codes. To look up messages that are prefixed DFHNC to DFHZN, see CICS messages and codes overview in Messages and Codes Vol 2.

Who this manual is for

This manual is for anybody who needs to understand and respond to CICS messages, including system operators, system programmers, and certain terminal users.

What you need to know to understand this manual

You can refer to this manual for the meaning of a message without understanding the manual as a whole. Your understanding of CICS Transaction Server Version 4 Release 2, however, will be enhanced by a knowledge of the types of message CICS produces, the different places it sends messages, and the different audiences it intends to reach.

How to use this manual

When you are using CICS as a system operator or terminal user, or scanning a queue containing CICS messages, use this manual as a reference. If you want to suggest a change to the contents of a message or an abend code, please contact your IBM® branch instead of raising an RCF.

Online messages and Codes

CICS Transaction Server messages and abend code descriptions (with the exception of AXM messages, a small number of numeric abends and Transaction Dump Codes) are available online using the CICS transaction CMAC. For guidance on using CMAC, see CICS supplied transactions descriptions in CICS Supplied Transactions.
Changes in CICS Transaction Server for z/OS, Version 4
Release 2

For information about changes that have been made in this release, please refer to What's New in the information center, or the following publications:

- CICS Transaction Server for z/OS What's New
- CICS Transaction Server for z/OS Upgrading from CICS TS Version 4.1
- CICS Transaction Server for z/OS Upgrading from CICS TS Version 3.2
- CICS Transaction Server for z/OS Upgrading from CICS TS Version 3.1

Any technical changes that are made to the text after release are indicated by a vertical bar (|) to the left of each new or changed line of information.
Chapter 1. AXM server environment messages

The following messages are issued by the authorized cross-memory (AXM) server environment, which is a package of run-time services used by the Named counter sequence number server, CICS coupling facility (CF) data tables and the CICS shared temporary storage (TS) queue pool server. See the CICS System Definition Guide for more information about AXM and the CICS TS queue pool server.

Note:
1. AXM messages are not issued by a CICS region and hence do not use the CICS message domain. They cannot be viewed with the CMAC transaction, suppressed with the XMEOUT user exit, or changed with the message editing utility.
2. These messages are normally displayed in mixed case English. If your terminals cannot display lowercase English characters, see the CICS Customization Guide for guidance on converting the messages to uppercase.

AXM error recovery messages

AXMER0001 ABEND xxx-rr occurred at address, data word1 word2 word3.

Explanation: The AXM error recovery routine has intercepted an abend in a task running under an AXM server region TCB. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS™ in the SDWA.

System action: The error recovery routine will first call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. After this, if recovery is allowed, the error recovery routine terminates the affected AXM internal task and resumes normal processing, otherwise it percolates the error, causing the server region to be abnormally terminated.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSDUMP or SYSABEND) is present in the server region JCL.

System action: The AXM task is abnormally terminated.

User response: Look up the completion code to identify the cause of the abend.

Module: AXMER
Destination: Console and print file

AXMER0002 TRAP occurred at offset offset in procname.

Explanation: An internal logic error in a server resulted in a TRAP macro being executed at the specified location.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSDUMP or SYSABEND) is present in the server region JCL.

System action: The AXM task is abnormally terminated.

User response: This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

Module: AXMER
Destination: Console and print file
AXMEV0001  AXM only supports operating system WAIT on MVS.

Explanation: An attempt has been made to issue an operating system WAIT within an AXM server, but the server is not running on MVS. In this case, the MVS POST exit mechanism used by AXM is unavailable and operating system waits cannot be supported.

System action: The program is abnormally terminated.

User response: None.

Module: AXMEV

Destination: Console

AXMEV0003 The AXM POST exit could not be created because AXM system services are not available.

Explanation: AXM server region initialization needed to define the MVS POST exit used by AXM for operating system waits, but AXM system services were not available within the current MVS image.

System action: The server region is terminated with return code 8.

User response: Start up AXM system services first then restart the server region. AXM system services are normally started at IPL using a subsystem definition in IEASSNxx specifying AXM as the subsystem name and AXMSI as the initialization routine. They can also be started up without an IPL by defining the subsystem dynamically using the SETSSI command.

Module: AXMEV

Destination: Console and print file

AXMEV0004 The AXM POST exit could not be created, return code was rc.

Explanation: The MVS POST exit used by AXM for operating system waits could not be created because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

System action: Processing continues.

User response: None.

Module: AXMEV

Destination: Console and print file

AXMEV0005I The AXM POST exit had already been created for this address space.

Explanation: During server initialization, AXM system services found that the MVS POST exit used by AXM for operating system waits had already been created for this address space. AXM therefore bypassed trying to create the same POST exit again as this would have resulted in an abend 702-04.

This can occur when a previous server execution in the same address space was terminated abnormally.

System action: Processing continues.

User response: None.

Module: AXMEV

Destination: Console and print file

AXMEV0006I The AXM POST exit could not be deleted, return code was rc.

Explanation: The MVS POST exit used by AXM for operating system waits could not be deleted because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

System action: Processing continues.

User response: None.

Module: AXMEV

Destination: Console

AXMLF0001S LIFO storage cannot be set up because the PRV size exceeds 4K.

Explanation: AXM initialization has detected that the total link-edited size of the pseudo-register vector (PRV) for the server application load module exceeds the maximum size of 4096 supported by AXM. The PRV contains task-related variables used by AXM resource management plus any task-related data areas defined by server code using the Assembler DXD operation code or Q-type address constants.

System action: The server is abnormally terminated.

User response: The server programmer needs to decrease the size of task-related variables defined in the PRV. When a large amount of task-related information needs to be stored, it is better to store the information in some separately acquired storage area (such as AXM heap storage) and put only a pointer to it in the PRV.

Module: AXMLF

Destination: Console
AXM lock management messages

AXMLK0001  Lock at address is already owned for shared use by this task.

Explanation: An AXM server program attempted to acquire exclusive ownership of an AXM lock which was already in shared ownership for the current task. This is not allowed, as the task cannot wait for itself.

System action: The AXM lock request is rejected.

User response: The server programmer needs to modify the program logic. It could for example use an AXM lock PROMOTE to convert the shared lock to an exclusive lock.

Module: AXMLK

Destination: Console and print file

AXMLK0002  function failed because lock at address is not owned by this task.

Explanation: An AXM server program tried to release, demote or promote an AXM lock but the lock was not owned by the current AXM task.

System action: The AXM lock request is rejected.

User response: The server program logic is in error.

Module: AXMLK

Destination: Console and print file

AXM operating system interface messages

AXMOS0001I  The main procedure entry point is name at address address.

Explanation: This message is written to the print file during AXM initialization to indicate the name and entry point address of the server main procedure. This is primarily for debugging purposes.

System action: Processing continues.

User response: None.

Module: AXMOS

Destination: Print file

AXMOS0002I  The main procedure is missing, or the END statement does not name the entry point.

Explanation: The AXM server load module which is being executed does not contain a procedure which has been identified as the AXM main procedure.

System action: The server region is terminated with return code 16.

User response: Check that the main procedure was correctly included in the link edit. If it was, make sure that its entry point name was correctly specified on the END statement and that it was assembled using AXM macros with the macro AXMSET appearing before the MODULE statement and the option ENVIRON=AXM specified on the MODULE statement.

Module: AXMOS

Destination: Console and SYSPRINT

AXM storage page pool management messages

AXMPG0001I  The main free area above 16M was at address xxxx, size mnnK.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 31-bit addressable private region storage available at that time.

System action: Processing continues.

User response: None.

Module: AXMPG

Destination: Print file

AXMPG0003I  Storage page pool areaname created, address xxxx, size mnnK.

Explanation: This message is written to the print file during AXM initialization to show the size and address of each storage page pool as it is created. Once this has been done, most AXM storage requests are allocated from this page pool rather than with MVS GETMAIN.

System action: Processing continues.

User response: None.

Module: AXMPG

Destination: Print file

AXMPG0002I  The main free area below 16M was at address xxxx, size mnnK.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 24-bit addressable private region storage available at that time.
AXMPG0004I  Usage statistics for storage page pool

**area name:**

**Explanation:** This message shows statistics for the named storage page pool (since the most recent statistics reset, if any). It is automatically written to the print file at AXM region termination, and may also be requested at other times by the server.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Total size of the storage pool.</td>
<td>nK</td>
</tr>
<tr>
<td>In Use</td>
<td>The amount of storage which is currently in use.</td>
<td>nK</td>
</tr>
<tr>
<td>Max Used</td>
<td>The highest amount of storage which has been in use.</td>
<td>nK</td>
</tr>
<tr>
<td>Free</td>
<td>The amount of storage within the pool which is current free.</td>
<td>nK</td>
</tr>
<tr>
<td>Min Free</td>
<td>The lowest amount of storage which has been free.</td>
<td>nK</td>
</tr>
<tr>
<td>Gets</td>
<td>The number of requests to obtain storage within the pool.</td>
<td>nK</td>
</tr>
<tr>
<td>Frees</td>
<td>The number of requests to release storage within the pool.</td>
<td>nK</td>
</tr>
<tr>
<td>Retries</td>
<td>The number of times that a storage request initially failed and was retried after merging any adjacent small free areas to form larger areas.</td>
<td>nK</td>
</tr>
<tr>
<td>Fails</td>
<td>The number of times that a storage request was unable to obtain the requested amount of storage even after a retry.</td>
<td>nK</td>
</tr>
</tbody>
</table>

Each of the storage statistics is shown in two forms, as a number of kilobytes and as a percentage of the total size.

The individual fields have the following meanings:

- **Size**: Total size of the storage pool.
- **In Use**: The amount of storage which is currently in use.
- **Max Used**: The highest amount of storage which has been in use.
- **Free**: The amount of storage within the pool which is current free.
- **Min Free**: The lowest amount of storage which has been free.
- **Gets**: The number of requests to obtain storage within the pool.
- **Frees**: The number of requests to release storage within the pool.
- **Retries**: The number of times that a storage request initially failed and was retried after merging any adjacent small free areas to form larger areas.
- **Fails**: The number of times that a storage request was unable to obtain the requested amount of storage even after a retry.

**System action:** Processing continues.

**User response:** None.

**Module:** AXMPG

**Destination:** Print file

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**AXM resource tracking messages**

AXMRS0001  Tidy-up routine at address failed to free resource tracking cell.

**Explanation:** A server routine established an AXM resource tracking element specifying that a procedure was to be called to release the resource if the task was terminated without releasing the resource. The AXM task is now terminating, and the procedure identified in the tracking element was called, but the resource tracking element was still in existence when it returned. The entry point address of the relevant procedure is indicated in the message.

**System action:** The tracking element is released on the assumption that the resource has now been deleted, and AXM task termination continues.

**User response:** The server programmer needs to ensure that the procedure to release the resource also frees the resource tracking element.

**Module:** AXMRS

**Destination:** Console and print file

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**AXM server connection and system services messages**

AXMSC0011I  AXM system services initialization is in progress.

**Explanation:** AXM system services are being started up, normally as a result of being called by the AXM subsystem initialization routine.

**System action:** Processing continues.

**User response:** None.

**Module:** AXMSC

**Destination:** Console

AXMSC0012I  AXM system services initialization has completed.

**Explanation:** AXM system services are now fully available in the current MVS image.

**System action:** AXM cross-memory server connection requests and requests for the POST exit system services will now be accepted.

**User response:** None.

**Module:** AXMSC

**Destination:** Console

AXMSC0013  AXM system services have already been initialized.

**Explanation:** An attempt was made to set up AXM
AXMSC0021I  AXMSC0035

AXMSC0032  Connection to server prefix.name failed because the server was not found.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but could not do so because there is no active server of that name enabled for AXM connections.
System action: The connection attempt is rejected with return code 8, reason code 32.
User response: Ensure that the server is started and that its name was specified correctly.
Module: AXMSC
Destination: Console

AXMSC0033  Connection to server prefix.name was rejected by the security system.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the request was rejected by the security system.
System action: The connection attempt is rejected with return code 8, reason code 33.
User response: See the previous AXM message giving details of the results of the security check.
Module: AXMSC
Destination: Console

AXMSC0034  Connection to server prefix.name failed because all AXM connections are in use.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the maximum number of AXM connections supported within an MVS image (currently 4096) has been reached.
System action: The connection is rejected with return code 8, reason code 34.
User response: If you anticipate a need for more than 4096 AXM server connections within a single MVS image, you will need assistance from IBM. See the CICS Problem Determination Guide for guidance on how to proceed.
Module: AXMSC
Destination: Console

AXMSC0035  Connection to server prefix.name failed because request limit reqs exceeds 9999.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the connection parameter specifying the maximum number of concurrent requests to be supported exceeds 9999.
System action: The connection is rejected with return code 8, reason code 35.
Module: AXMSC
Destination: Console
**AXMSC0036 • AXMSC0052**

**User response:** Check whether the server interface program is specifying the correct value for the maximum number of concurrent requests.

**Module:** AXMSC  
**Destination:** Console

| AXMSC0036 | Connection to server prefix.name was rejected by the server.  
**Explanation:** The current region tried to establish an AXM connection to the AXM server prefix.name but the server-defined connection exit rejected the request.  
**System action:** The connection is rejected with return code 8, reason code 36.  
**User response:** The reason for the rejection depends on the server code, but this typically occurs if the server is preparing to close down or has insufficient resources to accept another connection.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0037 | Connection to server prefix.name failed because the server is terminating.  
**Explanation:** The current region tried to establish an AXM connection to the AXM server prefix.name but the server entered termination processing while the connection request was in progress.  
**System action:** The connection is rejected with return code 8, reason code 37. The instance of the server that was being terminated will no longer be visible to any new connection attempts.  
**User response:** Retry the connection when the server has been restarted.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0038 | Connection to server prefix.name failed because this address space is already connected to it.  
**Explanation:** The current region tried to establish an AXM connection to the AXM server prefix.name but it already has a connection to the same server region. AXM does not support multiple connections from the same region to the same server region.  
**System action:** The connection is rejected with return code 8, reason code 38.  
**User response:** None.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0041I | Connection to server prefix.name has been closed.  
**Explanation:** An AXM connection from the current region to the named server has been terminated, either as a result of being explicitly closed by this region or as a result of the termination of the MVS TCB which originally established the connection.  
**System action:** Processing continues.  
**User response:** None.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0042 | Connection close failed for token xxxxxxxx, reason is n.  
**Explanation:** An attempt was made to close an AXM connection explicitly but the specified connection token did not refer to an active connection owned by the current region, or the connection could not be closed for some other reason.  
The reason code indicates which validity check failed within procedure AXMSCCLS. Reason code 9 indicates that a request issued via the connection has not yet completed. Any other reason code probably indicates an incorrect token.  
**System action:** The attempt is rejected with return code 8, reason code 42.  
**User response:** Check that the connection close request is specifying the correct connection token and that there are no incomplete requests for the connection.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0051I | Server prefix.name is now enabled for connections.  
**Explanation:** This AXM server has completed initialization and is now available for connections from other address spaces.  
**System action:** Processing continues.  
**User response:** None.  
**Module:** AXMSC  
**Destination:** Console

| AXMSC0052 | Server prefix.name cannot be enabled because it is already active in another address space.  
**Explanation:** Only one instance of a given AXM server name can be active in an MVS image at a time.  
**System action:** The attempt to enable the server
interface is rejected with return code 8, reason code 52.
User response: None.
Module: AXMSC
Destination: Console

AXMSC0053 Server prefix.name cannot be enabled because caller is not APF authorized.
Explanation: AXM requires that an AXM server region must be running APF authorized in order to be allowed to enable its server interface.
System action: The attempt to enable the server interface is rejected with return code 8, reason code 53.
User response: Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).
Module: AXMSC
Destination: Console

AXMSC0054 Server prefix.name cannot be enabled because the security system rejected the request.
Explanation: The security system detected that the server region userid was not correctly authorized to act as an AXM server with the specified server name.
System action: The attempt to enable the server interface is rejected with return code 8, reason code 54.
User response: See the previous AXM message giving details of the results of the security check.
Module: AXMSC
Destination: Console

AXMSC0061 Server prefix.name is now disabled for connections.
Explanation: This AXM server is terminating and is no longer available for connections from other address spaces. This occurs either when the server explicitly disables its interface or when the server job step task terminates.
System action: Processing continues.
User response: None.
Module: AXMSC
Destination: Console

AXMSC0062 Server disable failed for token xxxxxxxx, reason is n.
Explanation: An attempt to disable the server interface failed because the specified server interface token did not correctly identify an active server interface established by the current address space.

The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.
System action: The attempt to disable the server interface is rejected with return code 8, reason code 62. If the server interface is still enabled, it will be disabled automatically when the job step task terminates.
User response: As the server interface token is stored internally by AXM, the only known possible reason for this message is storage overwriting within the server region.
Module: AXMSC
Destination: Console

AXMSC0063 Server prefix.name cannot be disabled because caller is not APF authorized.
Explanation: AXM requires that an AXM server region must be running APF authorized in order to be allowed to disable its server interface.
System action: The attempt to disable the server interface is rejected with return code 8, reason code 63.
User response: Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).
Module: AXMSC
Destination: Console

AXMSC0071 Server name prefix.name has incorrect syntax for access checks.
Explanation: The security checking routine has detected that the AXM server name specified on a connection request or on a server enable request is not in the correct form, for example because either the prefix or name is blank. This means that the security check cannot be performed.
System action: A return code is set to indicate that the security check failed.
User response: Check that the server prefix and name are specified correctly. The prefix is normally defined by the server, but the name may be set from a user-specified server parameter.
Module: AXMSC
Destination: Console

AXMSC0072 level access authorization was denied for FACILITY facility.
Explanation: The external security manager has indicated that the current region is not authorized for the required level of access to the specified facility.
AXMSC0073 • AXMSI0001I

System action: A return code is set to indicate that the security check failed.
User response: Check whether the userid for the region has been authorized to access the specified facility resource name.
Module: AXMSC
Destination: Console

AXMSC0073 level access authorization is unavailable for FACILITY facility.

Explanation: The external security manager has indicated that it is unable to determine whether the current region is authorized for the required level of access to the specified facility. This message is only issued if it is not possible for the security routine to determine whether security checking is actually required. In cases where it is obvious that no security check is required (for example because no external security manager is installed), access is granted anyway.
System action: A return code is set to indicate that the security check failed.
User response: Check whether the external security manager is available and whether the security definitions for the specified facility have been provided.
Module: AXMSC
Destination: Console

AXMSC0074 RACROUTE REQUEST=AUTH gave
8
R15=xxxxxxxx, SAFPRRET=xxxxxxxx,
SAFPRREA=xxxxxxxx.

Explanation: This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.
System action: Processing continues.
User response: None.
Module: AXMSC
Destination: Console

AXMSC0991I Creating new AXM system services anchor at address.

Explanation: This message is issued during AXM system services initialization to enable the system services anchor to be located if necessary for diagnostic purposes.
System action: AXM system services initialization processing continues.
User response: None.
Module: AXMSC
Destination: Console

AXMSC0992I Deleting old AXM system services anchor at address.

Explanation: This message is issued during AXM system services initialization if AXM system services were previously active but had been terminated (which is not possible in normal production environment). The old system services anchor is retained after AXM termination because it contains the system LX to be used if AXM is restarted. This message gives the address of the old system services anchor for diagnostic purposes.
System action: AXM system services initialization processing continues.
User response: None.
Module: AXMSC
Destination: Console

AXMSC0075 RACROUTE REQUEST=STAT gave
8
R15=xxxxxxxx, SAFPRRET=xxxxxxxx,
SAFPRREA=xxxxxxxx.

AXM subsystem initialization messages

AXMSI0001I AXM subsystem initialization is in progress.

Explanation: The AXM subsystem initialization program has been started in order to initialize AXM system services.
System action: AXM system services will be loaded and initialized.
User response: None.
Module: AXMSI
Destination: Console
AXMSI0002I  AXM subsystem initialization has completed.
Explanation:  The AXM subsystem initialization program has completed execution.
System action:  The program returns control to MVS.
User response:  None.
Module:  AXSI
Destination:  Console

AXMSI0003  AXM subsystem initialization return code retcode, reason code rsncode.
Explanation:  The AXM subsystem initialization routine has not completed normally. This message indicates the final return code and reason code. This is normally the return code from AXM system services initialization.
System action:  The subsystem initialization routine returns control to MVS.
User response:  See the previous AXM message

AXM system region messages

AXMSR0001I  AXM system region initialization is in progress.
Explanation:  An AXM system region is being started. This is used to initialize AXM system services in a testing environment for development purposes, and allows AXM system services to be closed down and restarted without an IPL.
System action:  Processing continues.
User response:  None.
Module:  AXMSR
Destination:  Console

AXMSR0002I  AXM system region initialization has completed.
Explanation:  AXM system services have been successfully initialized from the AXM system region.
System action:  Processing continues.
User response:  The system region may be closed down again using the MVS STOP command but this should only be done when it is certain that no AXM services are being used within the MVS image.
Module:  AXMSR
Destination:  Console

AXMSR0003I  AXM system region termination is in progress.
Explanation:  The operator has requested termination of the AXM system region using the MVS STOP command.
System action:  AXM system services are terminated.
User response:  None.
Module:  AXMSR
Destination:  Console

AXMSR0004I  AXM system region termination has completed.
Explanation:  The AXM system region has completed termination.
System action:  Control is returned to MVS and the job step ends.
User response:  None.
Module:  AXMSR
Destination:  Console

AXMSR0011  AXM system region can only run under MVS/ESA.
Explanation:  An attempt was made to execute the AXM system region program AXMSR in a non-MVS environment.
System action:  The system region program terminates.
User response:  None.
Module:  AXMSR

Chapter 1. AXM server environment messages  9
AXMSR0012 AXM system region program AXMSR needs to be APF authorized.

Explanation: An attempt was made to execute the AXM system region program AXMSR without APF authorization.

System action: The system region program terminates.

User response: Ensure that the module AXMSR is stored in an APF-authorized library and is link-edited with AC(1).

Module: AXMSR

Destination: Console

AXMSR0013 AXM system region LOAD for name failed with completion code xxx-nn.

Explanation: The attempt to LOAD the system services module (AXMSC) failed.

System action: The system region program terminates.

User response: See the description of the system completion code xxx in MVS/ESA System Codes for the reason that the LOAD failed.

Module: AXMSR

Destination: Console

AXMtrace and print file management messages

AXMTR0001 The ddname print file could not be opened.

Explanation: The AXM trace and print file with the specified ddname (usually AXMPRINT or SYSPRINT) could not be opened during AXM initialization.

System action: Print file output requests will be ignored.

User response: Ensure that the appropriate DD

Module: AXMTR

Destination: Console

AXM address lookup (WHERE) messages

AXMWH0001 Address address is at +offset in modtype module modname.

Explanation: This message may be produced after an abend or TRAP message to identify the module containing the error address, if the module is known to MVS. The information about the module and type is obtained using the MVS macros CSVQUERY or NUCLKUP.

System action: Processing continues.

User response: None.

Module: AXMWH

Destination: Console and print file

AXMWH0002I Address address is at +offset in procedure procname.

Explanation: This message may be produced after an abend or TRAP message to identify the procedure containing the error address, if the storage is within a known module and a standard SAVE sequence including a procedure identifier appears at some point before the error address.

System action: Processing continues.

User response: None.

Module: AXMWH

Destination: Console
AXM cross-memory interface messages

**AXMXM0011** Server *prefix.name* cannot be enabled because AXM system services are not available.

*Explanation:* An attempt has been made to enable a server interface but AXM system services have not been initialized within this MVS image.

*System action:* The server enable request is rejected.

*User response:* Ensure that AXM system services are started then start the server again.

*Module:* AXMXM

*Destination:* Console and SYSPRINT

**AXMXM0012** Enable failed for server *prefix.name*, return code *retcode*, reason *rsncode*.

*Explanation:* The server interface could not be enabled. The specific reason will have been indicated by an earlier AXMSC message.

*System action:* The server enable request is rejected.

*User response:* None.

*Module:* AXMXM

*Destination:* Console and SYSPRINT

**AXMXM0021** ABEND *xxx-rr* occurred at *address*, data *word1 word2 word3*.

*Explanation:* The ARR routine for an AXM cross-memory program call routine has intercepted an abend in a cross-memory mode AXM task and has passed the associated SDWA to a task in the server address space to issue the appropriate diagnostic messages. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

*System action:* The ARR will already have completed processing when this message is issued, as the message is written out by the server region. If recovery is allowed, the ARR terminates the affected AXM internal task, in which case the return code from the cross-memory request will consist of the completion code in the usual MVS format but with the high-order bit set to indicate an abend. If recovery is not allowed, the ARR percolates the error, passing the abend to the requesting region.

The diagnostic routine which writes this message will call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. It then releases the MVS SDWA. Server execution is not directly affected by an abend in cross-memory mode.

**AXMXM0011** • **AXMXM0022**
Chapter 2. Transaction abend codes

When abnormal conditions occur, CICS can send a message to the CSMT transient data destination containing the transaction ID, the program name and the abend code.

Here is an example:

```
DFHAC2236: date time applid Transaction tranid abend primary abcode in program program name
term termid backout successful { batchid = }batchid. message
```

Alternatively, the application can intercept abends by including an active EXEC CICS HANDLE ABEND command. The actual abend code can be determined by issuing the EXEC CICS ASSIGN command with the ABCODE option.

The transaction identification code `tranid` usually consists of the 4 characters defined to CICS. However, when a transaction is initiated by using a light pen, an operator identification (OPID) card reader, or 3270 PA or PF keys (specified in the TASKREQ= operand), CICS creates an internal transaction identification in the form of a 1-byte 3270 attention identification (AID) code followed by 3 bytes of X'FF'.

The code that may actually appear in the message in place of the internally-created transaction identification will be *xx*, where xx is the character translation of the 3270 AID code. To prevent ambiguity, the user should avoid using these codes as transaction identifiers.

The keys, the light pen (LPA), and OPID, and their corresponding printed AID codes are given in the following list:

<table>
<thead>
<tr>
<th>Key</th>
<th>Light Pen (LPA)</th>
<th>Operator Identification (OPID)</th>
<th>PA1</th>
<th>PA2</th>
<th>PA3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF1</td>
<td><em>F1</em></td>
<td>PF13 <em>C1</em></td>
<td>LPA</td>
<td><em>7E</em></td>
<td></td>
</tr>
<tr>
<td>PF2</td>
<td><em>F2</em></td>
<td>PF14 <em>C2</em></td>
<td>OPID</td>
<td><em>E6</em></td>
<td></td>
</tr>
<tr>
<td>PF3</td>
<td><em>F3</em></td>
<td>PF15 <em>C3</em></td>
<td>PA1</td>
<td><em>6C</em></td>
<td></td>
</tr>
<tr>
<td>PF4</td>
<td><em>F4</em></td>
<td>PF16 <em>C4</em></td>
<td>PA2</td>
<td><em>6E</em></td>
<td></td>
</tr>
<tr>
<td>PF5</td>
<td><em>F5</em></td>
<td>PF17 <em>C5</em></td>
<td>PA3</td>
<td><em>6B</em></td>
<td></td>
</tr>
<tr>
<td>PF6</td>
<td><em>F6</em></td>
<td>PF18 <em>C6</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF7</td>
<td><em>F7</em></td>
<td>PF19 <em>C7</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF8</td>
<td><em>F8</em></td>
<td>PF20 <em>C8</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF9</td>
<td><em>F9</em></td>
<td>PF21 <em>C9</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF10</td>
<td><em>7A</em></td>
<td>PF22 <em>4A</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF11</td>
<td><em>7B</em></td>
<td>PF23 <em>4B</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF12</td>
<td><em>7C</em></td>
<td>PF24 <em>4C</em></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

An abend code indicates the cause of an error that may have been originated by CICS or by a user program. For most of the abend codes described, a CICS transaction dump is provided at abnormal termination.

All CICS transaction abend codes `abcde` are 4-character alphanumeric codes of the form Axyy, where:

- Aack 'M'
  - is the IBM-assigned designation of a CICS transaction abend.
**xx** is the 2-character code assigned by CICS to identify the module that detected an error.

**y** is the 1-character alphanumeric code assigned by CICS.

### Format of information

For each transaction abend code, the following information is given:

- An explanation of events leading to or following the message.
- The action that has been or will be taken by CICS (system action).
- The action recommended for the user (console or terminal operator).
- The module or modules that can determine that the message should be sent (not necessarily the module or modules that can issue the macro to write the message.)

### AAxx abend codes

**AAACA**

**Explanation:** An invalid error code has been passed to the DFHTFP or DFHACP programs.

**System action:** CICS terminates the task abnormally with a dump.

**User response:** Notify the system programmer.

**Module:** DFHTFP, DFHACP

**AAL1**

**Explanation:** DFHALP was processing a request that deadlocked. The most likely reason for the abend is that an ALLOCATE QUEUE request has been suspended because there are no contention-winning links available.

AAL1 is issued for non time-out related deadlocks, for instance the task may have been cancelled.

**System action:** CICS terminates the task abnormally. A dump is taken.

**User response:** Ensure that there are enough contention-winning sessions available to satisfy the ALLOCATE QUEUE request.

If you are running with modegroups, ensure that there are contention-winning sessions available to satisfy the ALLOCATE request in that modegroup.

**Module:** DFHALP

**AAL2**

**Explanation:** Either an incorrect response (other than PURGED) was returned from the suspend of the allocated task, or an incorrect response was returned from the resume.

**System action:** The transaction is abnormally terminated with a dump.

**User response:** Check the return code from the resume or the suspend to determine the cause of the error.

**Module:** DFHALP

**AAL3**

**Explanation:** The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHALP

**AAL4**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHALP
AAL6

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to SIGNOFF_TERMINAL_USER by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAL7

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAL8

Explanation: DFHALP was processing a request that deadlocked. The most likely reason for the abend is that an ALLOCATE QUEUE request has been suspended because there are no contention-winning links available.

AAL1 is issued for non time-out related deadlocks.
AAL8 is issued for stall purges and deadlock time-outs.

System action: CICS terminates the task abnormally. A transaction or system dump is not taken unless the transaction dump table has been modified for AAL8.

User response: Ensure that there are enough contention-winning sessions available to satisfy the ALLOCATE QUEUE request.

If you are running with modegroups, ensure that there are contention-winning sessions available to satisfy the ALLOCATE request in that modegroup.

It might be necessary to increase the deadlock timeout (DTIMEOUT) value for the transaction to prevent this abend from recurring.

If you require a transaction or system dump for this abend then add AAL8 to the transaction dump table.

Module: DFHALP

AAL9

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the JVM server resource manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Inform the system programmer.

Examine the trace and the dump to identify the point of error.

Module: DFHAMSJ

AALM

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message produced by the domain that detected the original error.

Module: DFHAMLM

AALN

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the TD manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message produced by the domain that detected the original error.

Module: DFHAMLN
**AALO • AALU**

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMTD

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the CICS/DB2 table manager DFHD2TM. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMD2

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Program Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMPG

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Business Application Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMOP

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Temporary Storage Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMBA

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Global Enqueue Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMBA

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Internet Inter-Orb Protocol Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMBA

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Sockets Domain Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module:** DFHAMBA
**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMSO

---

**AALV**

**Explanation**: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Enterprise Java Domain. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMEJ

---

**AALW**

**Explanation**: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Web Domain. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMWB

---

**AALX**

**Explanation**: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Pipeline Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMPI

---

**AALY**

**Explanation**: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the ISC/IP Domain. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMIS

---

**AALZ**

**Explanation**: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Document Handler. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Inform the system programmer. Examine the trace and the dump to identify the point of error.

**Module**: DFHAMDH

---

**AAM1**

**Explanation**: DFHXMCCL has returned an unexpected response during the install of a transaction class. This can be caused by the task being purged during the install.

**System action**: The transaction is abnormally terminated with a CICS transaction dump.

If an error has occurred, at the time the error is detected, CICS issues a DFHXMnnnn console message, records an exception trace entry and takes a system dump.

**User response**: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

**Module**: DFHAMP
AAM2

Explanation: DFHXMXD has returned an unexpected response during the install of a transaction definition. This can be caused by the task being purged during the install.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAM3

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Loader Domain. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMLD

AAM4

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Resource Lifecycle Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMRL

AAMC

Explanation: The task was purged before a GETMAIN request to the storage manager domain was able to complete successfully.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAMD

Explanation: An unexpected return code has been received from DFHDMP. This is due to an internal logic error.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

AAMF

Explanation: An unexpected return code has been received following a call to the kernel (KE) domain. This might be due to an internal logic error.

System action: CICS terminates the task abnormally with a dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

AAMH

Explanation: An unexpected return code has been received following a call to DFHFCMT. This might be due to an internal logic error.

System action: CICS terminates the task abnormally with a dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

AAMI

Explanation: An unexpected return code has been received following a call to DFHFCRL. This might be due to an internal logic error.

System action: CICS terminates the task abnormally with a dump. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

User response: Module: DFHAMP

AAMJ

Explanation: While installing a file, using RDO, a call was made to DFHFCFS to enable the file. An irrecoverable error was returned from DFHFCFS.

System action: The task is abnormally terminated with a CICS transaction dump.

At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

User response: Inform the system programmer.
Examine the trace and the dump to identify the point of error.

Module: DFHAMP

AAMK

Explanation: While installing a file, using RDO, a call was made to DFHFCDN. An irrecoverable error was returned from DFHFCDN.

System action: The task is abnormally terminated with a CICS transaction dump.

At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

User response: Inform the system programmer.
Examine the trace and the dump to identify the point of error.

Module: DFHAMP

AAMM

Explanation: There has been an unexpected return code following a call to DFHPRPT. This might be due to an internal logic error.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

AAMQ

Explanation: An attempt has been made to install a partner using RDO. However, the partner resource manager (PRM) is unavailable having failed to initialize during CICS initialization.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: If you need to use the PRM, correct the problem which prevented the PRM from initializing, and restart CICS.

Module: DFHAMP

AAMS

Explanation: There has been an unexpected return code following a GETMAIN request to the storage manager. This is due to an internal logic error.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

AAMI • AAMS

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AAMT • AAO7

AAMT

**Explanation:** There is an internal logic error in DFHAMP due to an unexpected return code from DFHTMP.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

AAMZ

**Explanation:** An unexpected return code has been received from DFHZCP. This is due to an internal logic error.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

AAO2

**Explanation:** CPI Communications has detected an unexpected response from DFHLUC.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error. A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHPCBA

AAO3

**Explanation:** The CPI interface detected that a call was made to a CPI Communications function without CPI Communications being initialized. This implies that CPI Communications initialization failed while CICS was initializing.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written when this event occurs.

**User response:** Check the console listing to determine the reason why CPI Communications failed to initialize during CICS initialization. Correct the problem and restart CICS.

If the console listing indicates that CPI Communications initialized successfully, you need further assistance to resolve the problem. Collect the console listing, the traces and the transaction dump. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPI

AAO4

**Explanation:** DFHZARL, or a module called by DFHZARL, has detected a logic error. This error is almost certainly caused by the module receiving invalid data or indicators from z/OS Communications Server.

**System action:** Before returning to the CPI Communications layer, DFHZARL calls DFHZNAC to clean up the session and put out messages on the CSNE log. CPI Communications abnormally terminates the transaction with a CICS transaction dump, and produces an exception trace entry.

**User response:** Check the CSNE log to determine the type of error. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCCLR

AAO5

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

**Module:** DFHCPCBA, DFHCPCBI, DFHCPCBS

AAO7

**Explanation:** The CPI Communications syncpoint request handler has been passed an invalid DFHLUC parameter list. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
**AA08**

**Explanation:** The CPI Communications syncpoint request handler has been passed an invalid conversation control block (CPC). This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPSRH

**AA09**

**Explanation:** A task has been purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHCPSRH

**AA0A**

**Explanation:** An application has issued a CPI verb which CICS does not support. The entry point referenced in the application program was resolved in the link edit stub, but the function requested could not be resolved when control passed to CICS.

There are two possible reasons for this:
- You have linkedited your application program with a CPI stub which supports more function than this release of CICS.
- The linkedit stub has been corrupted.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written.

**User response:** At the time of the error, general register 0 points to an 8-byte character string which should match the name of the issued CPI call. Use the trace or the dump to verify that this character string is the name of a CPI function which is supported.

If the character string is not an intelligible character string, the stub has probably been corrupted.

**Module:** DFHCPI

**AA0C**

**Explanation:** CPI Communications is invoked with an invalid number of parameters for call

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** The exception trace point produced with this abend contains the incorrectly issued CPI Communications verb name. Use this to determine where the application program was in error and amend it accordingly.

The *SAA CPI Communications Reference* manual, SC26-4399, provides a detailed description of all the CPI Communications verbs and how they should be called.

**Module:** DFHCPARH

**AA0D**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

**Module:** DFHCPCLI
AAOE

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

**Module:** DFHCPCBA

AAOF

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

**Module:** DFHCPCBS

AAOG

**Explanation:** During the processing of CMACCP (accept conversation), CPI Communications detected that the application was attached with an unsupported sync level.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This condition is caused by a back-end CPI Communications transaction being attached with a sync level that is not CM_NONE (0) or CM_CONFIRM (1).

**Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4</td>
<td>=@JCA</td>
<td>TCZARQPJ JCAJCRC is nonzero.</td>
</tr>
</tbody>
</table>

**Change the front-end transaction, (that is, the initiator of the conversation in the other system) so that it defines the sync level correctly.**

**Module:** DFHCPCBA

AAOH

**Explanation:** Journaling of data sent on a CPI communications mapped conversation has failed. This condition is caused by a nonzero response from the CICS log manager.

**Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4</td>
<td>=@JCA</td>
<td>TCZARQPJ JCAJCRC is nonzero.</td>
</tr>
</tbody>
</table>

**Possible response codes are**

- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

**Change the front-end transaction, (that is, the initiator of the conversation in the other system) so that it defines the sync level correctly.**

**Module:** DFHCPCBA
ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

**Module:** DFHCPCRI, DFHCPCRW

---

**AAOJ**

**Explanation:** CPI Communications has detected an unexpected response from one of its internal routines.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

---

**AAOK**

**Explanation:** CPI Communications has detected an unexpected call to one of its internal routines.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

---

**AAOL**

**Explanation:** CPI Communications has been invoked with an invalid call to DFHLUC.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

---

**AAOM**

**Explanation:** CPI Communications and the DFHZUSR state machines are out of synchronization.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCCLR, DFHCPSRH

---

**AAON**

**Explanation:** CPI Communications has detected an unexpected response from DFHLUC.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCCLR, DFHCPSRH

---

**AAOO**

**Explanation:** CPI Communications has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCPARH

---

Chapter 2. Transaction abend codes
Explanation: The CPI Communications state machine has been requested to perform a state transition request that is considered to be an 'impossible' situation. (The SAA CPI Communications Reference manual, (SC26-4399) documents all these situations.)

There are two possible causes of this error
- The CPC (conversation control block) has been overwritten in such a way that the conversation state has been altered, or
- There is an error in the CPI Communications state machine.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

Module: DFHCPCFS

Explanation: The return code generated by CPI Communications does not have an entry in the state table against the current CPI Communications verb. This error is detected by the CPI Communications state machine.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCPCFS

Explanation: CPI Communications has detected that the conversation state is RESET for a situation where this should not occur. That is, the conversation control block (CPC) is about to be deleted.

There are two possible causes of this error
- The CPC has been overwritten, or
- There is an error in CPI communications.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCPCFS

Explanation: While chaining through the CPCs (conversation control blocks) for a given conversation, CPI Communications detected that the chain was broken.

There are two possible causes of this error
1. The CPC chain has been overwritten, or
2. There is an error in the CPI Communications chaining mechanism.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Determine which of the above caused the error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCPCBI
AAOU

Explanation:  CPI Communications has detected an error in the TP_name or partner_LU_name while processing an initialize conversation request. The TP_name or partner_LU_name is obtained by lookup of the sym_dest_name in the partner resource table (PRT).

There are two possible causes of this error.
1. The entry in the PRT contains invalid data, or
2. There is an error in the mechanism that returns the data from the PRT and interprets it.

System action:  The transaction is abnormally terminated with a CICS transaction dump.

User response:  A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCPCLC

AAOX

Explanation:  CPI Communications has detected a bad synpoint return code which has been set on a synclevel 0 or 1 conversation. The bad return code is only expected on a synclevel 2 conversation.

System action:  The transaction is abnormally terminated with a CICS transaction dump.

User response:  This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCPIC

AAOY

Explanation:  CPI Communications has detected an invalid LL field in the GDS records from which it was receiving on a mapped conversation.

Although it is possible that the remote system is sending invalid records, it is more likely to be an error in the receive logic because DFHZARRC (a lower level receive module) also checks the LLs before passing them to CPI Communications.

System action:  The transaction is abnormally terminated with a CICS transaction dump.

User response:  Use CICS traces and, possibly a z/OS® Communications Server trace, to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCPCLC

AAOZ

Explanation:  CPI Communications has detected an invalid ID field in the GDS records it was receiving on a mapped conversation. The exception trace point that accompanies this abend gives the ID field in data 3.
The valid IDs are '12FF'X for application data and '12F1'X for null data.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use CICS traces and, possibly, a z/OS Communications Server trace to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCRB

---

### ABAC • ABLB

#### ABAC

**Explanation:** An activity issued EXEC CICS RETURN (without the ENDACTIVITY option) but no events were processed during the activation. The activity was executed with a RUN command.

**System action:** The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User response:** Investigate why the activity did not process any events.

**Module:** DFHBASP

#### ABLA

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain

**System action:** The transaction is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User response:** Investigate why the activity had pending activity completion events.

**Module:** DFHEIBAM

---

### ABxx abend codes

#### ABAC

**Explanation:** An activity issued EXEC CICS RETURN (without the ENDACTIVITY option) but no events were processed during the activation. The activity was executed with a RUN command.

**System action:** The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User response:** Investigate why the activity did not process any events.

**Module:** DFHBASP

---

#### ABAF

**Explanation:** An activity issued EXEC CICS RETURN ENDACTIVITY while there were activity completion events pending. The activity was executed with a LINK command.

**System action:** The task which issued the LINK is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User response:** Investigate why the activity had pending activity completion events.

**Module:** DFHEIBAM

---

#### ABLA

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

---

#### ABLB

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain
that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Please see the related message produced by the domain that originally detected the error.

**Module:** DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

---

**ABM0**

**Explanation:** The map specified for a basic mapping support (BMS) request could not be located.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check if the map has been defined. If it has, check that it has been specified correctly.

**Module:** DFHMCP, DFHMCX, DFHMCY

---

**ABM2**

**Explanation:** No user data was supplied for this BMS request. That is, the address of a user data area was not found in either TCTTEDA or TCAMSIOA.

When a BMS macro level output request is issued, the user must have placed the address of the data to be passed to BMS in TCTTEDA or TCAMSIOA before issuing the macro. The choice is made on the following criteria:

- If the data is to be passed in a TIOA by a terminal-oriented task, the address of this TIOA may be placed either at TCTTEDA, or in TCAMSIOA together with the setting of binary zeros into TCTTEDA.
- If the data is being passed by a terminal-oriented task but not in a TIOA, the address of the TIOA-like area of this data must be placed in TCAMSIOA and binary zeros set into TCTTEDA.
- If the data is being passed by a non-terminal-oriented task, the address of the TIOA-like area of this data must be placed in TCAMSIOA. TCTTEDA cannot be referenced, because there is no TCTTE associated with this task.

If a task attempts to pass addresses from both TCTTEDA and TCAMSIOA, the address in TCTTEDA is the one selected.

The output services work area (OSPWA) is addressed by register 9. The TCTTE is addressed by register 11. The TCA is addressed by register 12.

The relevant fields are

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSPIND01</td>
<td>OSPWA indicator byte 1</td>
</tr>
<tr>
<td>OSPIOA</td>
<td>Alternate I/O area address</td>
</tr>
<tr>
<td>OSPSIOA</td>
<td>Address of address of data (TCTTEDA/TCAMSIOA)</td>
</tr>
<tr>
<td>OSTOPIA</td>
<td>Address of user data found by BMS</td>
</tr>
<tr>
<td>OSPTRI-8</td>
<td>BMS request data saved from the TCA</td>
</tr>
<tr>
<td>TCTTEDA</td>
<td>Terminal data area address</td>
</tr>
<tr>
<td>TCAFIC</td>
<td>Facility control indicator</td>
</tr>
<tr>
<td>TCAMSIOA</td>
<td>Alternate I/O area address</td>
</tr>
</tbody>
</table>

---

Register | Label | Description |
---------|-------|-------------|
R4= | RLRSFXCK | TCTTEDS=X'00' and TCTEMSS=X'00'. |
@TCTTETE | The device dependent suffix and the map set suffix have loaded into the lower two bytes of register 3 by the subroutine RLR5UFX5. |
**Analysis:** The ABM2 abend is invoked at one point in DFHMCP, at label MCPABEND. There are five regions in DFHMCP in which the user's data is sought:

- **TYPE=MAP**
- **TYPE=PAGEBLD,DATA=YES/ONLY**
- **TYPE=TEXTBLD,DATA=YES/ONLY**
- Mapping but not PAGEBLD,DATA=YES/ONLY
- No (mapping,PAGEBLD,TEXTBLD,PAGEOUT)

"Mapping" refers to BMS requests that specify maps, that is OSPTR3 bits 5 or 6 or 7 or OSPTR4 bit 3 set on.

Each of these functional regions does a BAL to subroutine MCPFTIOA to search for a user data area. If a valid area (abend ABMU if not) is found, its address is put into OSPTIOA and the address of the data address (of TCAMSIOA or TCTTEDA) is set into OSPSIOA. If a data area is not found, OSPTIOA is cleared and OSPSIOA is now loaded with the address of OSPTIOA as a null data area.

On the BAL return, OSPTIOA is tested for a nonzero value. If it is zero, a branch to MCPABEND is taken.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** The programmer must place the address of the data into TCTTEDA or TCAMSIOA, whichever is appropriate.

Firstly, check that the user has loaded TCTTEDA or TCAMSIOA with the address of the data area, by checking the application listing and the contents of TCTTEDA and/or TCAMSIOA.

Next, check that the BMS request has been correctly decoded by CICS by referring to the OSPWA request bytes (OSPTR1-8) or decoding the last BMS entry in the trace table. See OSPIND01 to check correct decoding of PAGEBLD or TEXTBLD, and TCAFCI bit 7 to identify whether the task is terminal-oriented or not.

At the abend point, register 1 contains the user data address last loaded, and register 4 the address of OSPTIOA as an address of null data.

If a CICS error is suspected, concentrate initially on subroutine MCPFTIOA, because this is a simple piece of code that shows the data-fetch logic. ABM2 condition is trapped early in the CICS decoding of the DFHBMS request and involves module DFHMCP only.

**Case/Register Label**

<table>
<thead>
<tr>
<th>R9=@OSPWA</th>
<th>MCPMAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>R9=@OSPWA</td>
<td>MCPGBLD</td>
</tr>
</tbody>
</table>

| R9=@OSPWA | MCPMD | OSPTIA contains the address of the user area found, so is zero. OSPIA (TCAMSIOA) was also zero so causing the abend. |

<table>
<thead>
<tr>
<th>R9=@OSPWA</th>
<th>MCPMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>R9=@OSPWA</td>
<td>MCPGMBL</td>
</tr>
</tbody>
</table>

**R9=@OSPWA**

- **MCPTXBLD**
- **MCPTBLD**
- **MCPTMNG**

**R9=@OSPWA**

- **MCPMD**
- **MCPGMBL**

**R12=@TCA**

- **MCPFTIOA**
- **MCPFTIOA**

**R11=@TCTTE**

- **MCPFTIOA**

**Module:** DFHMCP

---

CICS TS for z/OS 4.2: CICS Messages and Codes Vol 1
ABM3

Explanation: A BMS input or output request has been issued from a task that is not terminal-oriented.

System action: The task is abnormally terminated with a CICS dump.

User response: The task issuing a BMS input or output request must be attached to a terminal.

Module: DFHMCP

ABM4

Explanation: An invalid request response has been received to a temporary storage PUT or PUTQ request issued by BMS. The data passed to the temporary storage program has an invalid length.

Abend in DFHMCP (see Analysis)
The OSPWA (output services work area) is in user storage and is printed in a transaction dump. It is addressed by register 9 at the time of the abend. Relevant fields are
- OSPTITLE
- OSPTTCNT
- OSPPLTI
- OSPTOTPG

The message control record (MCR) is an area of user storage obtained by BMS. It is addressed by register 8 at the time of the abend. The first 8 bytes contain storage accounting information. MCRLLBB contains the length of the MCR (halfword) abend in DFHTPP.

The page buffer is addressed by register 7 at the time of the abend. It contains storage accounting fields in the first 8 bytes and a halfword length at offset 8 (TSIOAVRL).

In both cases, the temporary storage use map (DFHTSMAP) is addressed from CSATSATA. TSMAPCOM contains the number of available bytes in a control interval on the temporary storage data set.

Analysis: If the temporary storage request preceding the abend is a DFHTS PUT, the abend occurred in DFHMCP. If the temporary storage request preceding the abend is a DFHTS PUTQ, the abend occurred in DFHTPP. If the abend occurred in DFHMCP, DFHMCP is attempting to put the message control record to temporary storage. Check the length of the MCR (MCRLLBB). It may be negative.

The length of the MCR is calculated by code following label MCPNODDS and is
\[ 28 + 21 \times OSPTTCNT + (\text{length of title record}) + (\text{space for page/LDC table, if needed}) \]

For messages directed to 3270 devices, the page buffer consists of a 3270 data stream with a 4-byte page control area following it (a 3270 data stream may be larger than the number of characters available on the screen, particularly if extended 3270 attributes are used). For messages directed to other devices, the page buffer consists of a message formatted with NL characters, a 4-byte page control area following it. The length in TSIOAVRL should be less than the length in the preceding storage accounting area, otherwise an error has occurred in constructing the page, possibly in prior BMS requests.

In either of the above cases, if the length of the area being output appears valid, it is necessary to increase the control interval size for the temporary storage data set.

Register | Label | Description
--- | --- | ---
DFHMCP | R8=0MCR | MCPMCRS The MCR is too long or has invalid length ($4). |
DFHTPP | R7=0pgbuf | TPNOPGL The page buffer is too large. |
s | TPNODDS | |

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Determine from the trace table whether the abend occurred in DFHMCP or DFHTPP.

Check the length of the appropriate area.

If the MCR length is invalid, possible reasons are
- The title record specified in the TITLE option on a BMS ROUTE request has an invalid format, that is, it does not begin with a halfword length field or is more than 64 characters.
- The message is being routed to more terminals than intended. OSPTTCNT is very large, for example, if LIST=ALL is specified on a ROUTE request and there are a large number of terminals in the TCT.

If the page buffer length is too large, this may be because more data than intended is being built into the
ABM5 • ABM8

page. If the page buffer length is greater than the length of the storage area indicated in the preceding storage accounting area, an error has occurred in page or text building, and the page buffer extends beyond the area allocated to it (that is, storage violation).

**Module:** DFHMCP, DFHTPP

**ABM5**

**Explanation:** A DFHTS TYPE=PURGE request has been issued with an invalid REQID. This incorrect request was issued by basic mapping support (BMS).

DFHTPR cannot find the terminal identifier for the current terminal in the terminal list in the message control record (MCR).

The TS identifier is built in TCATSDI before the TS purge is issued, although this has probably been overwritten before the dump is taken. The trace table entry for the DFHTS TYPE=PURGE contains the TS identifier in the last 8 bytes.

The OSPWA is addressed by register 9.

OPSTSID temporary storage identifier (8 bytes).
Register 8 points to the MCR.
Register 5 points to the current entry.
Register 0 points to the end of table.
Register 9 points to the TCTTE.

The terminal list starts at MCRIDLST and the terminal identifier is at the start of the terminal entry. Each terminal entry is X’15 bytes long.

**Analysis:** DFHMCP uses the temporary storage identifier in OPSTSID.

Cannot find the terminal identifier for this terminal in the terminal list in the MCR.

**Register Label Description**

<table>
<thead>
<tr>
<th>R9 = @(OSPWA) MCPCKPGS</th>
<th>Code builds the temporary storage code in TCATSDI and issues DFHTS TYPE=PURGE macro, specifying IDERROR exit of MCPTSIDE, where the abend is raised.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R8 = @(MCR) TPRCKID</td>
<td>Code scans terminal list for a terminal entry that has the id of the current terminal, and if it cannot be found, links to TPRSNH to raise the abend.</td>
</tr>
</tbody>
</table>

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check the trace table and find the preceding PUT/PUTQ TS requests. Check whether the identifier for the PUT/PUTQ is the same as that for the PURGE. If it is not, find out how they differ. Check to see if the OSPWA has been corrupted.

This error is very unlikely, as the label indicates (TPRSNH - “Should Not Happen”). DFHTPS has scanned the MCR to identify the terminals to which this message is directed, and has created an AID to initiate CSPG (DFHTPR) at each of them. However, when DFHTPR retrieves the MCR, it cannot find the current terminal identifier in the list of terminals. Presumably the MCR has been corrupted between creation of the AID and dispatching of CSPG at the terminal. Check back through the trace table to find the instance of DFHTPS that built the AID for this terminal (transaction CSPS); it will have issued a TC LOCATE request to verify that the terminal identifier is valid, and this identifier can be seen in the trace entry.

**Module:** DFHMCP, DFHTPR

**ABM6**

**Explanation:** Transaction CSPS, scheduled internally by BMS, has not been installed.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Install the transaction CSPS (Group DFHBMS).

**Module:** DFHMCP

**ABM7**

**Explanation:** The trailer specified to be used while building pages of text data is longer than the page.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program that issues the request with too long a trailer.

**Module:** DFHPBP

**ABM8**

**Explanation:** A BMS text request specified a value for the JUSTIFY option which is zero or too large for the page being built.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program that specified too large or zero value for the JUSTIFY option.

**Module:** DFHPBP
ABM9

**Explanation:** The text data overflow routines have been reentered while text overflow was in process. This condition occurs when the line requirements for the text header and/or trailer exceed the line capacity of the page for which data is being formatted.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Reduce the number of lines required for the header and/or trailer or increase the page size of the terminal.

**Module:** DFHPBP

ABMA

**Explanation:** The user has specified a terminal I/O area (TIOA) with an invalid data length that was either equal to zero or greater than the storage accounting length minus 12.

Alternatively, the length field of a header or trailer area provided by the application program is invalid (that is, not positive).

The output services work area (OSPWA) is in user storage and will be printed in a transaction dump. It is addressed by register 2 at the time of the abend.

Relevant fields are:
- OSPTR7
- OSPHDRA
- OSPTRLA

Register 4 or OSPTIOA points to the TIOA. In the TIOA, the following fields are relevant
- TIOATDL
- TIOASAL

**Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4=0(TIOA)</td>
<td>PBCKTLDL</td>
<td>TIOATDL is zero or greater than TIOASAL-12.</td>
</tr>
<tr>
<td>R2=0(OSPWA)</td>
<td>PB020080</td>
<td>R0 (= first halfword of trailer) is zero.</td>
</tr>
<tr>
<td>R8=0(OSPTRLA)</td>
<td></td>
<td>R8=OSPHDRA.</td>
</tr>
<tr>
<td>R2=0(OSPWA)</td>
<td>PBDTXHDR</td>
<td>R0 (= first halfword of header) is zero.</td>
</tr>
<tr>
<td>R8=0(OSPTRLA)</td>
<td></td>
<td>R8=OSPHDRA.</td>
</tr>
</tbody>
</table>

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the program that supplied the erroneous data length.

Check the TIOA. If either of the conditions described is present, check the application program. For programs using command-level interface, the TIOA is obtained by CICS using the length of the data item passed in the FROM option on an EXEC CICS SEND MAP or EXEC CICS SEND TEXT command, or in the TRAILER or HEADER option on an EXEC CICS SEND TEXT or an EXEC CICS SEND PAGE command. Check the data item for zero length.

Header and trailer records have a special format described in the CICS Application Programming Reference. An ABMA abend occurs if the first halfword (the length) is not positive. Check the remainder of the header/trailer record for validity when the length is checked.

**Module:** DFHPBP, DFHMCP

ABMB

**Explanation:** The user has specified a cursor position in the BMS output request. It is larger than the current screen size for the 3270 for which output is being built.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the program that specified the incorrect cursor location.

Use trace to identify the statement issuing the request. Check that the cursor position is being correctly set.

The program may have been designed to run in alternate screen size mode but is being run in default screen size mode, or it may have been designed to run on a 3270 model different from the one in use. If the program is routing a message, the route list should be checked. If the program is to run with various 3270 models, the cursor position should be within the size of the smallest screen.

**Problem determination:** If the abend occurs in DFHBPB

At the time of the abend, register 2 points to the OSPWA and register 1 to the TTP. Relevant fields are
- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPCP contains a halfword cursor position specified by user
- TTPSCSZ contains the halfword value of the screen size to compare against.

If the abend occurs in DFHMCX or DFHMCP

- Register 6 points to the OSPWA (in LIFO storage)
- OSPCP contains a halfword cursor position specified by user
- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPSCSZ contains the halfword value of the screen size to compare against.

**Analysis:**
### ABMC • ABM G

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>In DFHPBP R2=0OSPWA PBDBADC</td>
<td>OSPTR3 X'10' bit set indicates the user-specified cursor position. TTPSCSZ halfword screen size. OSPCP halfword cursor position.</td>
<td></td>
</tr>
<tr>
<td>In DFHKCP or DFHMCX R6=0OSPWA MCENEAUZ</td>
<td>OSPTR3 X'10' bit set indicates the user-specified cursor position. OSPSCSZ halfword screen size. OSPCP halfword cursor position.</td>
<td></td>
</tr>
</tbody>
</table>

**Module:** DFHPBP, DFHMCP (for minimum-function BMS), DFHMCX

### ABMC

**Explanation:** The CMSG transaction is attempting to send a message to a greater number of terminals than is possible. There is no fixed maximum because the value depends on the other operands specified on the routing command.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Redefine the route list.

**Module:** DFHMCP

### ABMD

**Explanation:** DFHTPR or DFHTTP has issued a DFHDI TYPE=SEND and has received a return code other than “FUNCERR-REQUEST FOR CHANGE DIRECTION SIGNALED” or “NORESP”

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Inform your system programmer.

**Module:** DFHTPP, DFHTPR

### ABME

**Explanation:** DFHTPR or DFHTTP has detected an invalid datastream or DFHWBBMS detected invalid forms data while processing a basic mapping support (BMS) request.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. If the ABEND was issued from DFHTPR or DFHTTP then register 7 indicates the location at which the ABEND was detected.

**User response:** If DFHTPR or DFHTTP issued the ABEND then examine the transaction dump for bad data in the TIOA. If the origin of the bad data is an application program, correct the program. If DFHWBBMS issued the ABEND then check the validity of the incoming forms data in the CICS trace.

**Module:** DFHTPP, DFHTPR, DFHWBBMS

### ABMF

**Explanation:** The value specified for the length option of the basic mapping support (BMS) send map is greater than the length of the 'from' area.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Redefine the value for the length option.

**Module:** DFHPBP

### ABMG

**Explanation:** The user has requested a basic mapping support (BMS) service that was not specified at system generation, or at initialization.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correlate services requested against options specified in the system generation of BMS.

**Follow this procedure**

1. Scan the trace table for the transaction ID that issued the abend. If this is CSPQ (page cleanup), module DFHTPQ abnormally terminated because a message purge delay of zero has been specified and CSPQ has been entered via a terminal. The message purge delay is specified in the PRGDLAY of the DFHSIT macro, and its value can be found in SITPRGD.

2. Scan the trace table for the last BMS request (code 'FA'). Use the option bytes at the start of the failing module to see if the requested functions have been generated. For example, paging may have been requested, but standard or minimum BMS was specified in the SIT.

3. If the BMS request is compatible with the BMS options in the CICS system generation, some incompatible suffixing amongst BMS modules must have occurred. This can happen if the DFHSIT macro specified individual suffixes for the BMS modules.

The following modules differ between standard and full-function BMS

- DFHMCP
- DFHRLR
- DFHPBP
- DFHTTP
Module: DFHMCP, DFHTPQ

ABMH

Explanation: The BMS mapping program DFHM CX or DFHM CY failed in an attempt to update the output TIOA because it detected that storage outside the TIOA would have been corrupted.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Identify and inspect the BMS map being used with the BMS SEND command. Check the map for errors in the map definition such as inconsistencies between the length specified on the DFHMDF macro and the actual length of data included in the field. If no errors can be identified contact IBM support for further assistance.

Module: DFHM CX, DFHM CY

ABMI

Explanation: The map specified for a BMS input mapping request was not an input map.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Either define another input map or redefine the existing map.

Module: DFHM CX, DFHM CY

ABML

Explanation: The terminal control locate routine received invalid data from DFHRLR and returns with an error return code. DFHRLR is attempting to scan the TCT for a BMS ROUTE request with LIST=ALL or operator class or operator ID specified in the route list. The terminal control table may have been corrupted.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

The terminal control table has probably been corrupted during execution. Attempt to scan through the TCT in a dump. (Because the system dump uses the same technique for printing all TCTTEs, the system dump fails at the same point.)

Determine which entry is incorrect. It may be that the TCTTE has been overwritten by user data that is recognizable in the dump.

Check the application program for references to the TCTTE pointer. Check for user data that may be addressed from the same pointer.

In an assembler program, there may be multiple equates for the TCTTE base register.

It may be that the TCT is being overwritten by some earlier transaction. If this is so, it is probably one associated with the terminal whose TCTTE is overwritten.

Problem determination: Register 11 points to the current TCTTE in the search.

The TCT prefix (DFHTCTFX) can be located from CSATCTBA.

The first terminal entry (TCTTE) in the TCT is addressed by TCTVTEBA.

TCTTETEL is the halfword offset from current TCTTE to the next.

Analysis: The current TCTTE address is either not on a full-word boundary or is not within the limits of the TCT, or the address of the next TCTTE, obtained by adding TCTTETEL to the current address, is invalid. This check is made by locate code (DFHZLOC) in DFHZCX.

Register | Label | Description
--- | --- | ---
R11=08CTTE | RLRLOCN | Issue DFHTC CTYPE=LOCATE

Module: DFHRLR for full-function BMS

ABMM

Explanation: An invalid map was specified.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Use the supplied dump to diagnose the problem. Register 6 contains the address of the BMS instruction being executed when the error was recognized.

Module: DFHPBP

ABMO

Explanation: The map specified for a BMS output mapping request was not an output map.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Either define another output map or redefine the existing map.

Module: DFHM CP, DFHM CX, DFHM CY

ABMQ

Explanation: The query transaction (CQRY) has been initiated and either the task is not terminal-oriented, or the associated terminal is not defined to CICS as a 3270 or SCSPRINT device. This abend will occur if CQRY is entered at a console, even when the console is a 3270 device, since the console has the appearance to CICS of a keyboard/printer device. The CQRY transaction does not have an operator interface, and under normal...
conditions there is no need for an operator to invoke CQRY or for a user transaction to START the CQRY transaction. CQRY is run automatically by CICS when a 3270 or SCSPRINT device connects. In the transaction dump, register 8 contains the address of the TCTTE for the associated terminal. If register 8 contains zero, this indicates that the task is not terminal-oriented.

**System action:** The task is abnormally terminated with a CICS dump.

**User response:** Ensure that the terminal associated with CQRY is of the 3270 or SCSPRINT family of devices.

**Module:** DFHQRY

---

**ABMR**

**Explanation:** The Page Retrieval transaction (CSPG) has been initiated but the task is not terminal-oriented.

**System action:** The task is abnormally terminated with a CICS dump.

**User response:** Ensure that a terminal is associated with the CSPG transaction.

**Module:** DFHTPR

---

**ABMT**

**Explanation:** A BMS request has been issued for a terminal type which does not support the level of BMS required by the request. This might be a non-3270 type terminal for an input or output request, or a non-bridge facility for a locate map request. Locate map requests are only issued internally by CICS 3270 bridge related code.

This abend might also be issued if the level of BMS required by the request is not supported by the CICS region.

**System action:** The task is abnormally ended with a CICS transaction dump.

**User response:** Ensure that the terminal and the CICS region supports the BMS request.

**Module:** DFHMCP, DFHMCX

---

**ABMU**

**Explanation:** The application program supplied an address that is not within region boundaries. The low-order 3 bytes of general register 1 in the transaction dump contain the erroneous address. The high-order byte of register 1 indicates the address type as follows

- `X'01'` - Title address (TCAMSTA)
- `X'02'` - Alternate I/O area address (TCAMSIOA)
- `X'03'` - Map address (TCABMSMA)
- `X'04'` - Header address (TCAMSHDR)
- `X'05'` - Route list address (TCAMSRLA)

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program that is supplying the erroneous address.

**Module:** DFHMCP, DFHEMS

---

**ABMV**

**Explanation:** DFHRLR has detected an invalid route list entry.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check that the route list is correctly built with reserved field in the entry containing blank and a stopper of halfword X'FFFF to terminate the list.

**Module:** DFHRLR

---

**ABMX**

**Explanation:** A text string passed to BMS contained a set attribute order that was invalid for one of the following reasons

1. The set attribute sequence was less than three characters.
2. The attribute type was invalid.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program.

**Module:** DFHPBP

---

**ABMY**

**Explanation:** BMS is building a TTP (Terminal Type Parameter) control block but the pagesize selected for a terminal by BMS is zero because either the default or alternate screensize has been defined as zero.

In the transaction dump, significant general purpose register contents are as follows

1. Register 6 points to the BMS extension of the TCTTE
2. Register 10 points to the TTP (Terminal Type Parameter) control block
3. Register 11 points to the TCTTE

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the TERMINAL and TERMTYPE definitions which determined the attributes of the offending TCTTE.

**Module:** DFHRLR
ABMZ

**Explanation:** The address of the terminal I/O area (TIOA) in TCTTEDA was found to be zero.

When using BMS fast path as a result of an EXEC CICS RECEIVE MAP, DFHEMS always initializes TCTTEDA with the address of the TIOA. If TCTTEDA is subsequently found to be zero by DFHMCX, an overwrite must have occurred.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why TCTTEDA is zero.

**Scan the trace table for the last BMS request (code FA) for the failing task and try to determine which user programs have been given control since that BMS request.**

**Module:** DFHMCP, DFHMCX, DFHMCY

ABNA

**Explanation:** No route list was supplied with a route request received from the :i1.DFHTPS abend codes remote system.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNB

**Explanation:** Either the principal facility of the task is not a TCTTE of the correct type, or the task has no principal facility.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that DFHTPS has not been specified as the initial program of a transaction other than CSPS. Check that the operator did not enter CSPS from the terminal.

**Module:** DFHTPS

ABNC

**Explanation:** An attempt to access a temporary storage queue failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that temporary storage is correctly generated.

**Module:** DFHTPS

ABNE

**Explanation:** An error response was received from an invocation of a BMS TYPE=ROUTE or TYPE=STORE request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that BMS was correctly generated.

**Module:** DFHTPS

ABNF

**Explanation:** The transaction was not in send mode when it sent data to the remote system.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNG

**Explanation:** An attach request was received from the remote system without any data indicating the reason for the request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNH

**Explanation:** An attempt to ship data to the remote system failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNI

**Explanation:** CICS could not find a profile for an LU6.2 transaction routing request.

**System action:** CICS terminates the task abnormally.

**User response:** Either you have specified an incorrect name in the PROFILE parameter of an EXEC CICS ALLOCATE command, or you have not installed the
profile. Correct the error before resubmitting the transaction.

**Module:** DFHTPS

**ABNJ**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHTPS

**ABNK**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHTPS

**ABR3**

**Explanation:** An unsupported BMS request was received by the bridge exit.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** The bridge only supports minimum function BMS and SEND TEXT. This transaction cannot be used in a bridge environment.

**Module:** DFHEMS

**ABR4**

**Explanation:** The link DFHL3270 command did not specify a commarea.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** The link DFHL3270 command must specify a commarea to contain the BRIH and any message vectors.

**Module:** DFHBRMR

**ABR5**

**Explanation:** The commarea specified in the link DFHL3270 command is shorter than the BRIH.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** The link DFHL3270 command must specify a commarea to contain the BRIH and any message vectors.

**Module:** DFHBRMR

**ABR6**

**Explanation:** The commarea specified in the link DFHL3270 command does not contain a valid BRIH.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** The link DFHL3270 command must specify a commarea which must contain a valid BRIH.

**Module:** DFHBRMR

**ABRC**

**Explanation:** The bridge exit is not defined and could not be autoinstalled.

**System action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User response:** Either define the program using RDO or change the program autoinstall exit to allow it to be autoinstalled.

**Module:** DFHBRMR, DFHBRTC

**ABRD**

**Explanation:** The bridge exit is disabled.

**System action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User response:** Identify why the bridge exit is disabled. Enable the bridge exit and retry the action.

**Module:** DFHBRMS, DFHBRTC

**ABRE**

**Explanation:** The bridge exit could not be loaded.

**System action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User response:** Investigate why it cannot be loaded. It may not have been defined in the DFHRPL library.

**Module:** DFHBRMS, DFHBRTC
ABRF
Explanation: The bridge exit is defined as remote.

System action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User response: Define the bridge exit as a local program.

Module: DFHBRMS, DFHBRTC

ABRG
Explanation: An invalid bridge facility token was specified.

System action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User response: This error was probably caused by the incorrect data being sent to the bridge exit from the client application.

Check the data set by tracing the data sent from the client application.

Ensure that the bridge facility token in the data transmitted by the application is correct.

Module: DFHBRXM

ABRH
Explanation: The bridge facility token specified is not known to CICS.

System action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User response: The most likely error is that the client application specified too small a keep time for the bridge facility. Before the client reused the bridge facility token, CICS had already discarded it. Check the bridge facility keep time in the outbound messages. CICS will use the keep time value specified in the last message used by a transaction. Alternatively use the trace or CEDX to look at the keep time in the BRXA passed back on the terminate call to the bridge exit.

Another possible error is that the client application passed a request to a CICS system other than that on which the original request was sent. Bridge facilities are only valid on a single CICS system.

Module: DFHBRXM

ABRK
Explanation: The user ID check failed following the call to run the Link3270 bridge request, because it does not match the user ID that created the bridge facility that is being used to service the request.

System action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User response: A Link3270 bridge facility must run under the control of a single user ID for the lifetime of its use. Ensure that all of the programs that use Link3270 sessions run under the same user ID.

Module: DFHBRXM

ABRN
Explanation: The bridge exit returned a value in BRXA_RESP that is not valid for the command for which it was invoked.

System action: The transaction is backed out.

User response: Change the bridge exit to only return valid response settings.

Module: DFHBRIC, DFHBRMS, DFHBRS, DFHBRTC
**ABRP • ABX2**

**ABRP**

**Explanation:** The bridge client is no longer available.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Determine why the bridge client is no longer available. It might have been purged.

**Module:** DFHBRME

**ABRQ**

**Explanation:** The bridge exit issued an abend.

**System action:** The transaction is backed out.

**User response:** Identify why the bridge exit abended.

**Module:** DFHBRMS, DFHBRTC

**ABRR**

**Explanation:** The user transaction's profile could not be found.

**System action:** The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

**User response:** Check that the profile name in the user transaction definition is correct, and that this profile has been defined.

**Module:** DFHBRXM

**ABRX**

**Explanation:** The bridge facility was invalid when a transaction started. This can occur when MAXTASK is reset to a low value on a busy system. The bridge facility can time out and be deleted before the user transaction is started.

**System action:** The user transaction will abend during initialisation.

**User response:** None.

**Module:** DFHBRXM

**ABRY**

**Explanation:** CICS returned an unexpected error running the bridge exit. This is a CICS internal error.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHBRMS, DFHBRTC

**ABRZ**

**Explanation:** The bridge exit returned invalid data in the BRXA.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** If a user supplied bridge exit was used, review the format of the data returned by the exit.

If a CICS supplied exit was used, this is a CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHXMBR

**ABSA**

**Explanation:** A message passed to DFHBSMSG is too long. This is a CICS internal error.

**System action:** CICS terminates the task abnormally with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTBS

**ABX1**

**Explanation:** The bridge exit or formatter was called with an invalid BRXA-HEADER. This indicates a storage overwrite.

**System action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

**User response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE, DFH0CBRE, DFH0CBRF

**ABX2**

**Explanation:** The bridge exit or formatter was called with an invalid BRXA-TRANSACTION-AREA. This indicates a storage overwrite.

**System action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.
<table>
<thead>
<tr>
<th>Module</th>
<th>ABX3 • ABXA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>User response:</strong></td>
<td>Investigate the cause of the storage error, and retry.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFH0CBAE,DFH0CBRE,DFH0CBRF</td>
</tr>
<tr>
<td><strong>Explanation:</strong></td>
<td>The bridge exit or formatter was called with an invalid BRXA-COMMAND-AREA. This indicates a storage overwrite.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.</td>
</tr>
<tr>
<td></td>
<td>As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Investigate the cause of the storage error, and retry.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFH0CBAE,DFH0CBRE,DFH0CBRF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>ABX8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapset requested to answer a RECEIVE MAP request.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapset. Change the client application, recompile and retry.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFH0CBRF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>ABX9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapname requested to answer a RECEIVE MAP request.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapname. Change the client application, recompile and retry.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFH0CBRF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>ABXA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A next BRMQ vector in the input message passed to the formatter is the wrong type of a RECEIVE vector. RECEIVE and RECEIVE MAP have separate vectors.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this command. Change the client application, recompile and retry.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFH0CBRF</td>
</tr>
</tbody>
</table>
Explanation: The BRIH requested that outbound BMS vector must include the ADS descriptor. The map did not contain an ADS descriptor. This means that the mapset was not assembled with CICS TS 1.2 or later.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Either reassemble the mapset using the current level of BMS macros, or set BRIH-ADSDDESCRIPTION to BRIHADSD-NO (the default value is BRIHADSD-YES). Note that BRIHADSD-YES is required when codepage conversion of the Link3270 message is required (e.g. using ECI). If you need to reassemble the mapset and don’t have the mapset source, the utility DFHBMSP can be used to recreate it.

Module: DFHBRMF

Explanation: An error occurred when a SYNCPOINT request was issued by the bridge exit.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check for other CICS messages and exception trace entries to investigate the cause of the SYNCPOINT error.

Module: DFH0CBRE

Explanation: An error occurred when a SYNCPOINT ROLLBACK request was issued by the bridge exit.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check for other CICS messages and exception trace entries to investigate the cause of the SYNCPOINT ROLLBACK error.

Module: DFH0CBRE

Explanation: The user transaction issued a request which requires more data (such as a RECEIVE request). No data was available in the message, and mqcih-conversationaltask was set to mqctt-no which specifies that the transaction is non conversational.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: This may be correct behaviour as defined by the client application. If it is not, the client application should either supply additional data, or be redesigned to allow the transaction to be conversational.

Module: DFH0CBRF

Explanation: A message received by the bridge exit, exceeded the maximum message size.

System action: An exception trace is made of the first 4K of data in error. The task is abnormally terminated with a CICS transaction dump.

User response: Check that the client application is passing the correct data. If it is, it will be necessary to change the size of the buffer. This is in field block-length in the sample exit. Recompile and reload the exit and retry.

Module: DFH0CBAE,DFH0CBRE
**ABXJ**

**Explanation:** The bridge exit detected an error in the MQCIH header passed by the client application.

**System action:** An exception trace is written containing the MQCIH header. The task is abnormally terminated with a CICS transaction dump.

**User response:** The client application has either not set the MQCIH header, or is using a version of the header which is incompatible with the bridge exit. Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBAE,DFH0CBRE

---

**ABXK**

**Explanation:** The bridge exit detected an error in the data passed on the BRDATA parameter of the START command.

**System action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the transaction which issued the START. Recompile, reload and retry.

**Module:** DFH0CBAE,DFH0CBRE

---

**ABXM**

**Explanation:** The bridge exit or formatter was called with a function or command which it doesn't support. This either indicates a storage overwrite, or that the bridge exit is not designed for this command.

**System action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the BRXA data in the trace to see if there has been a storage overwrite, or whether the exit supports this command.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

---

**ABXN**

**Explanation:** The formatter detected that the input message was truncated.

**System action:** An exception trace is made of the first 4K of the message. The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that the transport mechanism allows for messages of this length. If this is correct, it indicates that the client application is issuing an incorrect message. Trace the outbound message on the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

---

**ABXO**

**Explanation:** The formatter detected an error in a BRMQ vector passed by the client application.

**System action:** The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message. An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

---

**ABXP**

**Explanation:** The formatter detected an error in a BRMQ vector header passed by the client application.

**System action:** The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message. An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

---

**ABXQ**

**Explanation:** The formatter could not find an ADSD vector as part of the BRMQ-RM vector when MQCIH-ADSDDESCRIPTOR specified MQCADSD-MSGFORMAT.

**System action:** An exception trace is made of the request. The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

---

**ABXS**

**Explanation:** An error was detected by the bridge exit when it tried to open the queue for the input or output message.

**System action:** An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

**User response:** Check for other CICS messages and exception trace entries to investigate the cause of the open error.

**Module:** DFH0CBRE
ABXU • ACAM

ABXU

Explanation: The conversion between client code page and server code page is not supported by CICS/390; for example conversion has been requested between Japanese code page 932 and Latin-1 code page 500.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Ensure that the Client codepage, both default and overrides are in the same group as the Server codepage. for example client code page 852 from Latin-2 group, is only supported to server code page 870.

ACxx abend codes

ACAA

Explanation: This explanation applies to the two transaction abend codes, ACAA and ACAD. CICS cannot find a match for a function code in the language definition table because the parameterized resource definition contains an unrecognized resource type code. The abend code issued depends on the DFHCAP operation that was invoked before the error occurred.

Abend DFHCAP operation
ACAA ANALYZE
ACAD DEFAULTS

The cause of the abend is either
• The language definition table, DFHEITCU, in the library is invalid for the release of CICS you are running, or
• A CICS logic error has occurred.

System action:
• In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
• In a batch environment, processing is abnormally terminated with an operating system dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

ACAD

Explanation: See ACAA.

Module: DFHCAP

ACAI

Explanation: An internal error has occurred when module DFHCAP was invoked. There was an invalid function code for a domain call to DFHCAP.

System action:
• In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
• In a batch environment, processing is abnormally terminated with an operating system dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

ACAJ

Explanation: An internal error has occurred when module DFHCAP was invoked while processing an EXEC CICS CREATE command. The preallocated dynamic storage area was too small.

System action: The transaction executing the EXEC CICS CREATE command is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

ACAM

Explanation: An internal error has occurred when module DFHECBAM was invoked while processing a CBAM transaction.

System action: CBAM is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHECBAM</td>
<td>Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.</td>
</tr>
</tbody>
</table>

**ACC1**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC2**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC3**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC4**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC5**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC6**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC7**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.

**ACC8**

**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User's Guide.
ACCH • ACCW

ACCH
Explanation: Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACCI
Explanation: Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACCK
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ACCM
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ACCN
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ACCP
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ACCQ
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ACCS
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ACCT
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ACCU
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ACCV
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ACCW
Explanation: Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.
ACCx
**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACCY
**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACCZ
**Explanation:** Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACFA
**Explanation:** During the loading of a Coupling Facility Data Table by the CFCL transaction, an abend was detected or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

**System action:** A message is issued (one of DFHFC7100, DFHFC7101, DFHFC7103 or DFHFC7104). Loading of the data table is terminated and CFCL abends.

**User response:** If this abend is produced as a result of an abend during loading, message DFHFC7103 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC7101, DFHFC7101 or DFHFC7104 is issued. Refer to the description of the message for further information and guidance.

**Module:** DFHFCDL

ACFB
**Explanation:** A transaction has issued a request to a coupling facility data table for which it holds an active lock, but after the lock was acquired, the coupling facility data table server for the pool in which this coupling facility data table resides failed and was restarted. This request is of a type which cannot continue against a new instance of the server, because it is reliant on the lock which was acquired before the server failed.

**System action:** The requesting transaction abends with a transaction dump.

**CICS continues normally.**

**User response:** Retry the failed transaction. If the error continues to occur, issue an explicit close request for the file, followed by an explicit open request.

**Module:** DFHEIFC

ACFD
**Explanation:** During the loading of a Coupling Facility Data Table by the CFCL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

**System action:** Message DFHFC7121 is issued. Loading of the data table is terminated and CFCL abends.

**User response:** Refer to the description of the message for further information and guidance.

**Module:** DFHFCDL

ACFE
**Explanation:** An attempt was made to attach a transaction specifying DFHFCDL as the program to be given control, but the transaction was not internally attached by CICS.

**DFHFCDL is for use by CICS system transaction CFCL.** This loads a Coupling Facility Data Table.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to attach CFCL illegally, or why a transaction definition specified DFHFCDL as the program to be given control.

**Module:** DFHFCDL

ACHA
**Explanation:** The remote server transaction, CEHS, is not at a compatible level to operate with the CICS/CMS system. This usually indicates that the service levels of CICS/CMS and the remote server are different.
**ACHB • ACHF**

**System action:** CICS terminates the remote server transaction abnormally with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Problem determination:** To diagnose a problem with the remote server, it is generally helpful to obtain a trace of the remote server’s activity up to the point of failure.

A remote server trace is obtained by invoking the remote server with the TRACE option, (type CEHS TRACE). The remote server operates as normal but causes entries to be written to a trace log in temporary storage. Note that main storage, not auxiliary, is used for this queue hence large amounts of memory can be used up if this trace is left on for long.

The trace is found in a queue whose name is 'CEHSxxxx', where ‘xxxx’ is the four-character terminal identifier. The queue can be browsed in text form or in hexadecimal form using CEBR. To find the terminal identifier, invoke CEBR on the terminal that has run CEHS, without giving a queue name. The queue name will default to ‘CEBRxxxx’, where ‘xxxx’ is the terminal identifier.

**Note:** CEBR requires the queue name to be in UPPER CASE.

For a description of the remote server and its trace entries and abend codes, see the CICS/VS Remote Server Diagnosis Manual (LC33-0438).

**Module:** DFHCHS

---

**ACHB**

**Explanation:** The remote server has received a data frame from CICS/CMS that is out of sequence. A frame may have been lost in transmission.

**System action:** CICS terminates the remote server abnormally with a dump.

**User response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

---

**ACHC**

**Explanation:** The remote server did not receive the expected acknowledgement type data frame from CICS/CMS.

**System action:** CICS terminates the remote server abnormally with a dump.

**User response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

---

**ACHE**

**Explanation:** The remote server received an unexpected data frame from CICS/CMS. This indicates a logic error in the remote server.

**System action:** CICS terminates the remote server abnormally with a dump.

**User response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

---

**ACHF**

**Explanation:** The remote server attempted to send one of a series of data frames to CICS/CMS when, at this time, only a single frame is allowed. This indicates a logic error in the remote server.
System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

Explanation: The remote server attempted to send data to CICS/CMS. However, it was not set to the correct mode to do so. This indicates a logic error in the remote server.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

Explanation: A TIOA has not been created from the data received by the remote server from CICS/CMS. This indicates a logic error because the request has to be destined for either EIP or DLI.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

Explanation: The transformer program has requested neither EIP nor DLI to execute the request received from CICS/CMS. This indicates a logic error because the request has to be destined for either EIP or DLI.

System action: CICS terminates the remote server abnormally with a dump.

User response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

Explanation: CICS/CMS has supplied a buffer to the remote server which is not large enough to hold the reply that the remote server has to return.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS
ACHM

Explanation: The remote server has tried to receive a response from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

ACHN

Explanation: The remote server has tried to receive a request from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

ACHO

Explanation: The remote server has tried to receive a reply from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System action: CICS terminates the remote server abnormally with a dump.

User response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCHS

ACHP

Explanation: CICS/CMS has made a request to the remote server for which the reply would need more than the maximum storage allowed (32660 bytes). This indicates that a logic error has occurred.

System action: CICS terminates the remote server abnormally with a dump.

User response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHR

Explanation: The CICS/CMS remote server transaction (CEHS) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System action: CICS abnormally terminates the remote server with a dump.

User response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHS

Explanation: The CICS/OS2 remote server transaction (CEHP) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System action: CICS abnormally terminates the remote server with a dump.

User response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACL0

Explanation: The new operator failed to allocate storage whilst creating an object. This problem will occur if there is insufficient storage available to the CICS region to satisfy the request.

System action: CICS abnormally terminates the transaction.

User response: This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.

Module: ICCGLBIC
ACL1

**Explanation:** The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

**System action:** CICS abnormally terminates the transaction.

**User response:** Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

**Module:** ICCGLBIC

ACL2

**Explanation:** The CICS Foundation Classes invoked the default handleEvent method (defined in class IccResource) in order to handle a CICS condition because the application programmer did not implement his own handleEvent method.

**System action:** CICS abnormally terminates the transaction.

**User response:** Implement your own handleEvent method or customize your resource objects so they do not call the handleEvent method for any of the possible CICS conditions.

**Module:** ICCRESEC

ACL3

**Explanation:** The CICS Foundation Classes responded to an application programmer's request to abend a CICS task.

**System action:** CICS abnormally terminates the transaction.

**User response:** The application programmer requested that the CICS Foundation Classes abend the transaction using the appropriate return enumeration from the handleEvent method (see IccResource class).

**Module:** ICCRESIC

ACL4

**Explanation:** The CICS Foundation Classes detected an internal error.

**System action:** CICS abnormally terminates the transaction.

**User response:** This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

**Module:** ICCGLBIC

ACL5

**Explanation:** The CICS Foundation Classes received an error from a CICS storage request (GETMAIN). In response to a new operator request the CICS Foundation Classes issued a CICS GETMAIN request to allocate storage which CICS was unable to satisfy.

**System action:** CICS abnormally terminates the transaction.

**User response:** This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.

**Module:** ICCBASEC

ACL6

**Explanation:** The CICS Foundation Classes detected an error while processing a storage release request.

**System action:** CICS abnormally terminates the transaction.

**User response:** This abend can occur if you try to delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.

**Module:** ICCBASEC

ACL7

**Explanation:** The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

**System action:** CICS abnormally terminates the transaction.

**User response:** Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

**Module:** ICCGLBIC

ACL8

**Explanation:** The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

**System action:** CICS abnormally terminates the transaction.
User response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLIBC

ACL9
Explanation: The CICS Foundation Classes responded to an application programmer’s request to abend a CICS task.
System action: CICS abnormally terminates the transaction.
User response: A resource object was customized to cause a transaction abend if a particular CICS condition was raised, and this condition was subsequently raised by CICS.
Module: ICCRESIC

ACLA
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLB
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLC
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLD
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLE
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLF
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLG
Explanation: The CICS Foundation Classes detected an internal error.
System action: CICS abnormally terminates the transaction.
User response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLIBC

ACLH
Explanation: The CICS Foundation Classes detected an error while processing a storage release request.
System action: CICS abnormally terminates the transaction.
User response: This abend can occur if you try to
delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.

**Module:** ICCBASEC

**ACN1**

**Explanation:** The table DFHCNV cannot be loaded. This is probably because a table has not been pregenerated. It could also occur if the table DFHCNV has been linked above 16MB but DFHCCNV has been linked below 16MB.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Check that the DFHCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHCNV and relink it with the correct AMODE if necessary.

**Module:** DFHCCNV

**ACN2**

**Explanation:** The table DFHCNV has been loaded but the first record is in the wrong format. This is probably due to an error during assembly or linkedit, but could also be the result of a storage overwrite.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** The table should be reassembled and linked. Check the assemble and linkedit output. Check for any messages issued from CICS indicating that storage overwrites have occurred.

**Module:** DFHCCNV

**ACN3**

**Explanation:** The program DFHUCNV cannot be linked. A user conversion program must be available (even if it only returns).

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Check that the DFHUCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHUCNV and relink it with the correct AMODE if necessary.

**Module:** DFHCCNV

**ACN4**

**Explanation:** An unrecognized format of a DFHCNV table has been encountered.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Correct the FIELD definition.

**Module:** DFHCCNV


**Explanation:** The table DFHCNV cannot be loaded. This abend code is issued following a NOTAUTH condition being raised during loading of the DFHCNV table.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Ensure the resource security definitions are correct.

**Module:** DFHCCNV

---

**Explanation:** The program DFHUCNV cannot be linked. This is a general purpose abend code indicating that the LINK request for the conversion program DFHUCNV, has failed.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Examine the transaction dump to determine the exact condition returned from LOAD request.

**Module:** DFHCCNV

---

**Explanation:** The client code page which has been requested by the client is not one which CICS can support.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Ensure that the Client codepage is valid.

**Module:** DFHCCNV

---

**Explanation:** The conversion between client code page and server code page is not supported by CICS/390; for example conversion has been requested between Japanese code page 932 and Latin-1 code page 500.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Ensure that the Client codepage, both default and overrides are in the same group as the Server codepage. For example client code page 852 from Latin-2 group, is only supported to server code page 870.

**Module:** DFHCCNV

---

**Explanation:** The conversion between client code page and server code page is not supported by CICS/390. Although the code pages are in the same group, CICS does not have a conversion table to match the requested server code page for the client code page specified.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Ensure that the Client codepage and the server codepage are correct. If they are as intended, then CICS can not support the requested conversion.

**Module:** DFHCCNV

---

**Explanation:** DFHIC TYPE=GET response code is other than the normal response during print key processing.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

**User response:** Analyze the dump. The response code is in the low order byte of register 0.

**Module:** DFHCPY

---

**Explanation:** DFHIC TYPE=INITIATE response code is other than the normal response during print key processing.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

**User response:** Analyze the dump. The response code
is in low-order byte of register 0.

**Module:** DFHCPY

---

**ACQA**

**Explanation:** The Connection Quiesce Protocol transaction has been initiated by user action, such as a START command or by typing the transaction identifier at a terminal. The transaction is not intended to be initiated in this way.

**System action:**
1. If the transaction was not initiated by terminal input, message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Determine what caused the transaction to be initiated. The exception trace record contains information which will help you.

**Module:** DFHCLS5

---

**ACQB**

**Explanation:** The Connection Quiesce Protocol transaction has encountered an error when communicating with another system on an APPC session.

**System action:**
1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Determine what caused the failure. A likely cause is a failure of the session with the partner system.

**Module:** DFHCLS5

---

**ACQC**

**Explanation:** The Connection Quiesce Protocol transaction has encountered an unexpected error.

**System action:**
1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCLS5

---

**ACRA**

**Explanation:** The relay program has been invoked without a terminal as its principal facility.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that DFHAPRT has not been specified as the initial program of a task that is not terminal-related.

**Module:** DFHAPRT

---

**ACRB**

**Explanation:** The relay program has been invoked by a transaction that is not defined as remote.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that the relay program is defined correctly. Determine why DFHAPRT was invoked if the transaction is not a remote transaction.

**Module:** DFHAPRT

---

**ACRC**

**Explanation:** The relay program received an invalid response from DFHZCX or DFHAPRR.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAPRT

---

**ACRD**

**Explanation:** The system entry for the system to which routing is to be performed could not be found or, for CICS TS 4.1 and earlier releases, an attempt has been made to send a transaction that is defined as routable=yes over an IPIC connection.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the installed transaction definition to confirm that the system was correctly specified. Check that the system entry is defined to CICS with a CONNECTION or IPCONN resource definition.

**Module:** DFHAPRT

---

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ACRE

Explanation: A transaction invoked from an APPC terminal and specified in the installed transaction definition as remote has abnormally terminated because the link is out of service.

System action: The task is abnormally terminated.

User response: Wait until the link is available. The CICS supplied transaction CEMT INQUIRE CONNECTION can be used to check the states of the links.

Module: DFHAPRT

ACRF

Explanation: The relay program received a nonzero return code from the dynamic router following its first invocation.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Use the dump to determine why the dynamic routing program has failed by checking the contents of the passed COMMAREA DFHDYE for correctness. The COMMAREA address can be found from field TCACOMM in the system TCA for the task. The COMMAREA fields are mapped via the DFHDYPDS DSECT.

Module: DFHAPRT

ACRG

Explanation: An ATI initiated remote transaction defined with DYNAMIC(YES) has failed because there is no matching entry in the AID chain.

Each AID in the chain has been checked and none has been found where:
• The AID terminal ID matches that of the TCTTE
• The installed transaction definition and the AID transaction IDs match
• The AID is for a remote transaction
• The AID has not been canceled.

System action: The task is abnormally terminated with a CICS system dump.

User response: The dump can be used to help ascertain the mismatch. Check the transactions listed in the TCTTE and PCT fields of the system dump against the AID chain.

Module: DFHAPRT

ACRH

Explanation: The profile for the session that will carry intersystem flows during transaction routing could not be found.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check the installed transaction definition to confirm that TRPROF is correctly specified.

Module: DFHAPRT

ACRJ

Explanation: An error occurred when attempting to link to the dynamic routing program.

System action: The transaction is abnormally terminated with a CICS transaction dump.

A message in the range DFHRT4417 to DFHRT4420 is written to the CSMT log.

User response: Refer to the message sent to the CSMT log. It identifies the cause of the link failure and provides further user guidance.

Module: DFHAPRT, DFHEPC

ACRK

Explanation: The relay program has been invoked with no address for the principal facility.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRT

ACRL

Explanation: The task does not own the facility.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRT
ACRM

Explanation: In response to a request from the dynamic routing program, DFHAPRT has attempted an INITIAL_LINK to a program that is not the initial program of the transaction for which the dynamic router has been invoked. The attempt has failed.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Examine the following possibilities
- The autoinstall user-replaceable module (URM) was called but is unable to do the autoinstall.
- The autoinstall URM was called but data supplied by the autoinstall URM is invalid.
- The autoinstall URM was called, but there is no definition for the autoinstall model.
- There is a problem with the autoinstall URM.
- There is no resource definition for the program and either the autoinstall is not active or the autoinstall URM indicated that the program should not be autoinstalled.
- The program is disabled.
- The program cannot be loaded.
- The program is defined as remote.

Module: DFHAPRT

ACRN

Explanation: The dynamic routing program has indicated that the transaction should not be routed, but execute in the local system. Prior to invoking the application program, a security check is performed. This check has failed.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Ensure that the transaction security definition is correct.

Module: DFHAPRT

ACRP

Explanation: The dynamic router has supplied a sysid whose supported functions are unknown. This may be due to either a backlevel release, or APPC is used for communication and no work has flowed across this connection.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Give an alternative sysid, or revert to the old style START, or flow some routed work across the connection.

Module: DFHAPRT

ACRQ

Explanation: An attempt has been made to route unsupported function across an IPIC connection. If message DFHIS1035 is issued immediately before the ACRQ abend, the ACRQ abend is caused by an attempt to route to a backlevel release. If message DFHIS1035 is not issued, the ACRQ abend is caused by an attempt to route an APPC device.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Provide an alternative SYSID, or make an MRO or ISC connection available.

Module: DFHAPRT

ACSA

Explanation: The remote scheduler task (CRSR) does not own an intersystem link TCTTE as its principal facility.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Ensure that DFHCRS is not specified as the initial program of a task other than CRSR. Check that the terminal operator did not enter CRSR.

Module: DFHCRS

ACSB

Explanation: An unexpected reply was received from a remote system in response to a request to schedule a task on that system.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRS
ACSC

**Explanation:** An unexpected request was received from a remote system when expecting a request to schedule a task.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

ACSD

**Explanation:** An internal logic error has been detected.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

ACSE

**Explanation:** Module DFHCRS has been attached in an unsupported manner.

**System action:** CICS abnormally terminates the transaction with a transaction dump.

**User response:** Module DFHCRS should be executed only by transaction CRSR, which executes with an MRO session, an LU6.1 session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by a CRSR transaction in the connected system, and not by a user transaction.

If the transaction is being attached by a CRSR transaction, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

ACSF

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detects the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHCRS

ACSG

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Please see the related error message produced by the domain that detected the original error.

**Module:** DFHCRS

ACSH

**Explanation:** The processing of APPC mapped data requires the generation of an LU6.2 attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that
- The CONNECTION resource for the remote system has not been defined as single-session.
- The remote system can support a sync level of 2
- The correct sync level has been requested.

**Module:** DFHCRS

ACSI

**Explanation:** An APPC conversation failure occurred when an attach between CICS systems was issued.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the connection to the remote CICS system and try to reestablish it.

**Module:** DFHCRS

ACSJ

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table). This failure is either the result of a task purge, or a CICS logic error.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related diagnostic material produced by the recovery manager domain and
determine the reason for the failure.

In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

---

**ACSK**

**Explanation:** The transaction wait was purged while waiting for a z/OS Communications Server INQUIRE macro to complete.

CICS issued a z/OS Communications Server INQUIRE OPTCD=NQN or INQUIRE OPTCD=SESSNAME request then waited for z/OS Communications Server to post the ECB, but the wait was terminated either as a result of an explicit FORCEPURGE request, or due to a 3 minute time out.

**System action:** A transaction dump is taken together with CICS issuing message DFHZC0001.

**User response:** Investigate the reason why the wait was terminated.

In the case of a time out, you may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

---

**ACSO**

**Explanation:** CICS has been unable to attach a transaction to perform a mass flag (CFTS) or mass remote delete (CDTS) request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

---

**ACSN**

**Explanation:** Transaction CFTS has stalled. The mass flagging of terminals for deletion has exceeded the expected time and is therefore assumed to have failed.

**System action:** The task is abnormally terminated with a CICS transaction dump. A flag is set in the remote work element (RWE) to indicate that the mainline transaction has assumed that CFTS has failed.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

---

**ACSN**

**Explanation:** Transaction CFTS has abended. The mass flagging of terminals for deletion has failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRS

---

**ACSO**

**Explanation:** An IPIC conversation failure occurred when an attach between CICS systems was issued.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the connection to the remote CICS system and try to reestablish it. Use the transaction dump to determine why the conversation failed. This may be the result of a security error that occurred when invalid credentials were sent, or if they were missing from the IPIC message when the connection was configured to expect them.

**Module:** DFHCRS

---

**ACTB**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control WRITE,LAST request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.
ACTC • ACTI

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTC**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTD**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control WRITE, WAIT, READ request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTE**

**Explanation:** The relay program running in the terminal-owning region attempted to free its session with the APPC terminal, and received a nonzero return code from terminal control.

The return code will be in the DFHLUCDS DSECT in DFHZTSP's LIFO field, LUCRCODE.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

**Module:** DFHZTSP

---

**ACTF**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This return code can be found in the TCA field, TCATPAPR.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

**Module:** DFHZTSP

---

**ACTG**

**Explanation:** The relay program running in the terminal-owning region issued a request to attach a transaction in the application-owning region, but the response received from that region was invalid.

The return code in the TCA (field TCATPAPR) will be nonzero, and either there will be no TIOA (field TCTTEDA in the TCTTE is zero) or there will be no FMH7 at the start of the TIOA.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

**Module:** DFHZTSP

---

**ACTH**

**Explanation:** A privileged allocate was issued against a remote LU 6.2 system.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZISP

---

**ACTI**

**Explanation:** The relay transaction has an ISC or MRO session as its principal facility. However the TCTTE for that session is not owned by the task.

**System action:** The task is abnormally terminated.
with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRT

---

**ACTJ**

**Explanation:** The principal facility of the relay transaction is not a TCTTE.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Task CXRT should only be started in a terminal-owning region by an ALLOCATE request issued in an application-owning region against a remote APPC device. The principal facility of the task should be an ISC or MRO link. Check that your CICS system is defined in such a way that this will always be the case. Also ensure that program DFHCRT is started only by task CXRT.

**Module:** DFHCRT

---

**ACTK**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate the reason why the task was purged. It was either purged by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHZISP

---

**ACTL**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHZISP

---

**ACU0**

**Explanation:** The transaction routing program in the application-owning region issued a terminal control WRITE,LAST,WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRL

---

**ACU1**

**Explanation:** Refer to the description of abend ACU0.

**Module:** DFHZXRL

---

**ACU2**

**Explanation:** The transaction routing program in the application-owning region received a response from the terminal-owning region which violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACU3**

**Explanation:** The transaction routing program in the application-owning region attempted to set the conversation state machine to a state which violates CICS transaction routing protocols.

The register containing the state can be determined from the assembler listing.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
ACU4
Module: DFHZXRL

Explanation: The transaction routing program in the application-owning region issued a SET request to the conversation state machine and received a nonzero return code. This violates CICS transaction routing protocols.

The trace entry on return from DFHZUSR will show the request type and current state.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU5
Explanation: An program running in an application-owning region has issued an ALLOCATE against an APPC device attached to a terminal owning region, but the connection between the two systems is not installed.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Install the connection between the two regions.

Module: DFHZXRL

ACU6
Explanation: A request to DFHRTSU to prepare the surrogate TCTTE for syncpoint gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU7
Explanation: A request to allocate a session between the application-owning region and the terminal-owning region was issued, but the connection with the remote system is not an APPC or MRO connection.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Redefine the connection as APPC or MRO, or avoid using transaction routing on this connection.

Module: DFHZXRL

ACU8
Explanation: A request to DFHRTSU to get the recovery status of a surrogate TCTTE gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU9
Explanation: A request to recovery manager to set the recovery status of a link gave an unexpected response and reason code. The response and reason code are included in DFHRMLN's parameter list which is printed in the exception trace.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACUA
Explanation: DFHZXRL was called with a request which is not supported for transaction routing.

The request is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACUB
Explanation: The parameter list passed to DFHZXRL for an ALLOCATE request does not contain the TCTSE address of a remote APPC terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace.
DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUC**

**Explanation:** The TCTSE address passed to DFHZXRL is not that of a remote LU 6.2 terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUD**

**Explanation:** The profile DFHCICSR could not be located as an installed profile definition.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Check that the IBM-supplied profile DFHCICSR is correctly defined and installed to CICS.

**Module:** DFHZXRL

---

**ACUE**

**Explanation:** A request to DFHZTSP to build a surrogate TCTTE was not satisfied.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUF**

**Explanation:** A session between the application-owning region and the terminal-owning region was not allocated because the request was incorrectly specified.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Ensure that the MODENAME specified in profile DFHCICSR was also specified when defining the SESSIONS to the terminal-owning region.
Module: DFHZXRL

ACUJ

Explanation: A session between the application-owning region and the terminal-owning region was not allocated because the maximum session count for the mode group specified in profile DFHCICSR is zero.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Use the CEMT transaction to set sessions in the required mode group available for use.

Module: DFHZXRL

ACUK

Explanation: No TCT entry was found for the terminal-owning region specified in the TCTSE for the remote terminal.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Ensure that the terminal-owning region defined in the remote system entry is also defined to CICS.

Module: DFHZXRL

ACUL

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT, READ request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUP

Explanation: The transaction routing program in the application-owning region did not receive a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACUQ

Explanation: Refer to the description of abend ACUO.

Module: DFHZXRL

ACUR

Explanation: Refer to the description of abend ACUP.

Module: DFHZXRL
ACUS

Explanation: Refer to the description of abend ACUO.
Module: DFHZXRL

ACUT

Explanation: The transaction routing program in the application-owning region did not receive either a syncpoint or a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACUV

Explanation: The transaction routing program in the application-owning region issued a terminal control ISSUE ABEND request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when

• The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
• The session has failed.

Module: DFHZXRL

ACUX

Explanation: Refer to the description of abend ACUL.
Module: DFHZXRL

ACUY

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when

• The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
• The session has failed.

Module: DFHZXRL

ACUZ

Explanation: Refer to the description of abend ACUL.
Module: DFHZXRL

ACVA

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT, READ request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
ACVB • ACVG

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module**: DFHZXRT

---

**ACVB**

**Explanation**: The transaction routing program in the terminal-owning region attempted to issue an ISSUE SIGNAL request on an MRO link to the application-owning region. This violates CICS transaction routing protocols.

**System action**: The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response**: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module**: DFHZXRT

---

**ACVC**

**Explanation**: The transaction routing program in the terminal-owning region issued an ISSUE SIGNAL request on an LU 6.2 link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

**System action**: The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response**: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- the program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- the session has failed.

**Module**: DFHZXRT

---

**ACVD**

**Explanation**: The transaction routing program in the terminal-owning region issued a READ,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System action**: The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response**: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- the program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- the session has failed.

**Module**: DFHZXRT

---

**ACVF**

**Explanation**: The transaction routing program in the terminal-owning region issued a WRITE,LAST,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System action**: The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response**: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- the program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- the session has failed.

**Module**: DFHZXRT

---

**ACVG**

**Explanation**: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

**System action**: The task is abnormally terminated with a transaction dump and an exception trace entry.
**User response:** Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

**Module:** DFHZXRT

---

**ACVH**

**Explanation:** The transaction routing program in the terminal-owning region issued a FREE request to free the session with the application-owning region, and received a nonzero return code from terminal control. The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRT

---

**ACVK**

**Explanation:** The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRT

---

**ACVL**

**Explanation:** The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRT

---

**ACVM**

**Explanation:** The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRT

---

**ACVN**

**Explanation:** The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRT

---

**ACVO**

**Explanation:** The transaction routing program in the terminal-owning region issued an ISSUE PREPARE request and received either a nonzero return code or a response which violates CICS transaction routing protocols.
The return code is located in TCASPRC and the response is located in TCASPSN1.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine whether the problem is caused by the return code or the response. If terminal control was unable to process the request, the abend may occur when
- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Otherwise the distributed application programs may have violated APPC conversation protocols.

**Module:** DFHZXRT

---

**ACVP**

**Explanation:** The transaction routing program in the terminal-owning region did not receive an FMH43 from the application-owning region. This violates CICS transaction routing protocols.

The trace from the application-owning region will show its response to the terminal-owning region.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRT

---

**ACVR**

**Explanation:** The transaction routing program in the terminal-owning region issued a SEND,LAST, WAIT request to the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

**System action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User response:** Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

**Module:** DFHZXRT

---

**ACWA**

**Explanation:** CICS CWTO transaction has failed because the task does not own a terminal (TCTTE) as its principal facility. This has probably happened because CWTO has been started as an EXEC CICS START transid without a terminal ID.

**System action:** The transaction is abnormally terminated without a transaction dump.

**User response:** Retry with a terminal ID value or enter CWTO from a terminal.

**Module:** DFHCWTO

---

**ACXA**

**Explanation:** The catch-up transaction, CXCU, has failed. CXCU runs either in response to a transaction request from an end-user, or is run automatically by an active CICS system in response to the appearance of an alternative CICS system. Its purpose is to inform the alternate system of the active system’s state regarding terminals and DBCTL connection.

**System action:** The catch-up transaction, CXCU, is abnormally terminated with a CICS transaction dump. Both active and alternate CICS systems continue, but the alternate CICS system is less effective in the event of a takeover. For example, terminal back-up sessions may not be established. This abend is accompanied by DFHDX8313.

**User response:** Retry by entering ‘CXCU’ from a terminal. If the error persists, diagnose the problem from the dump.

**Module:** DFHCXCU
ADxx abend codes

AD21
Explanation: The CICS-DB2 attachment facility received a request for a resource manager with the incorrect name. Message DFHDB2045 is output to transient data detailing the invalid name.
System action: The transaction is abnormally terminated with a transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD22
Explanation: The CICS-DB2 attachment facility EDF processor was unable to interpret the SQL request.
System action: The command is not interpreted by EDF. A CICS transaction dump is taken with abend code AD22.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EDF

AD23
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System action: The CICS-DB2 service task initiates a force shutdown of the CICS-DB2 interface.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX2

AD24
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System action: The CICS-DB2 Service task initiates a force shutdown of the CICS-DB2 interface.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD25
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2CC

AD26
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2CC

AD27
Explanation: The CICS-DB2 attachment facility attempted to attach a TCB on which a DB2 thread was to be created to service the SQL request from the application. The attach of the TCB failed due to lack of storage.
System action: The transaction is abnormally terminated with a transaction dump.
User response: Increase the size of the CICS region or lower the TCBLIMIT value specified in the DB2CONN.
Module: DFHD2EX1
AD28

**Explanation:** The CICS-DB2 attachment facility attempted to attach a TCB on which a DB2 thread was to be created to service the SQL request from the application. The attach of the TCB failed.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD29

**Explanation:** The CICS-DB2 attachment facility was unable to link to its EDF processor DFHD2EDF.

**System action:** The command is not interpreted by EDF. Message DFHDB2048 is output to transient data and a transaction dump is taken with abend code AD29.

**User response:** Examine the trace in the CICS transaction dump to determine why the link to module DFHD2EDF failed.

**Module:** DFHD2EDF

AD2A

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD2B

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD2C

**Explanation:** An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD2D

**Explanation:** An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD2E

**Explanation:** An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

AD2F

**Explanation:** An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1
**AD2G**

**Explanation:** A transaction attempted to use a DB2ENTRY that is DISABLED or is DISABLING. The DISABLEDACT attribute of the DB2ENTRY specified ABEND meaning that new transactions that attempt to use the DB2ENTRY should be abended.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use CEMT INQ DB2TRAN TRANSID(tttt) where tttt is the transid, to determine the name of the DB2ENTRY involved. Re-enable the DB2ENTRY or discard the DB2ENTRY so that the transid will use a pool thread.

**Module:** DFHD2EX1

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**AD2H**

**Explanation:** The CICS-DB2 attachment facility detected that a dynamic plan exit program abended.

**System action:** CICS trapped the abend from the dynamic plan exit, issued message DFHDB2050, and then abnormally terminated the task with a CICS transaction dump.

**User response:** See the associated DFHDB2050 transient data message to determine the name of the dynamic plan exit program involved. Determine why the exit program abended.

**Module:** DFHD2EX1

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**AD2I**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it was not link edited AMODE 31.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2051 transient data message to determine the name of the dynamic plan exit program involved. Re-linkedit the dynamic plan exit program AMODE 31.

**Module:** DFHD2EX1

---

**AD2J**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it is disabled.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2053 transient data message to determine the name of the dynamic plan exit program involved. Enable the dynamic plan exit program.

**Module:** DFHD2EX1

---

**AD2K**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because no program definition was found.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2057 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined to CICS.

**Module:** DFHD2EX1

---

**AD2L**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program could not be loaded.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2058 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined and is in a load library accessible to CICS.

**Module:** DFHD2EX1

---

**AD2M**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program is defined as remote.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2066 transient data message to determine the name of the dynamic plan exit program involved. Correct the program definition for the dynamic plan exit program so that it is defined as local.

**Module:** DFHD2EX1
**AD2N**

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the associated DFHDB2054 transient data message to determine the name of the dynamic plan exit program involved. Examine the transaction dump to determine why the link failed.

**Module:** DFHD2EX1

---

**AD2O**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an WAIT_MVS call to the dispatcher (DS) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

---

**AD2P**

**Explanation:** The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool. See the associated transient data message DFHDB2011 to determine which DB2ENTRY was involved or whether it was the pool. The transaction was abended because the DB2ENTRY or the pool specified threadwait(no) meaning do not wait for a thread if all threads are currently in use. Note if message DFHDB2011 indicates that the pool was being used, it means the transaction was using the pool directly rather than overflowing to the pool. (An abend AD3T is produced when a transaction overflows to the pool and no pool threads are available.)

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

**Module:** DFHD2EX1

---

**AD2Q**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a getmain call to the storage manager (SM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the trace in the CICS transaction dump to determine why the CICS-DB2 thread TCB abended.

**Module:** DFHD2EX1

---

**AD2R**

**Explanation:** The CICS-DB2® attached TCB connection that processes the DB2 request for this transaction has abended. An exception trace, AP 319D, is written containing the MVS abend code; MVS reason code; and the relevant CICS-DB2 control blocks that are used by the CICS task and by the CICS-DB2 TCB connection. One of the control blocks returned is the CSUB control block. This control block contains data from the MVS SDWA at the time of the abend, for example, the CSB_SDWA_REGS (regs 0 -15) and the CSB_SDWA_PSW fields. The CSB_SDWA_REGS is the 16 words following the SDWA eye catcher. The CSB_SDWA_PSW field is the two words following the CSB_SDWA_REGS field.

The TCB connection is terminated if a CICS transaction is forcepurged from CICS when the thread is still active in DB2.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the AUTHID or AUTHTYPE parameter of the DB2ENTRY or pool used for the transaction. Ensure the id is authorised to access the plan in DB2.

**Module:** DFHD2EX1

---

**AD2S**

**Explanation:** The thread TCB servicing the DB2 request for the transaction issued a sign-on request to DB2 which failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System action:** If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application, and a transaction dump is taken with abend code AD2S.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the AUTHID or AUTHTYPE parameter of the DB2ENTRY or pool used for the transaction. Ensure the id is authorised to access the plan in DB2.

**Module:** DFHD2EX1
**AD2T**

**Explanation:** An attempt to create a DB2 thread by the TCB servicing the DB2 request for the transaction failed with DB2 reason code 00F30040. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System action:** If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2T.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User response:** Either the plan is unavailable or is not known to DB2.

**Module:** DFHD2EX1

---

**AD2U**

**Explanation:** An attempt to create a DB2 thread by the TCB servicing the DB2 request failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System action:** If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2U.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the dump to determine why the create thread failed.

**Module:** DFHD2EX1

---

**AD2V**

**Explanation:** The CICS-DB2 attachment facility issued a commit or abort request to DB2 but received a reason code 00F30805 indicating that connection to DB2 has been lost. This is due to DB2 terminating abnormally or being in the process of terminating abnormally. If the commit or abort request was preceded by a prepare request, DB2 may well still be indoubt. In this case, the CICS-DB2 attachment facility instructs CICS to remember the outcome of the UOW pending resynchronisation, which will happen when CICS and DB2 are reconnected. For an abort request not preceded by a prepare, i.e. a transaction abend or syncpoint rollback, DB2 will not be indoubt as the UOW was still inflight. DB2 will backout updates made by the UOW when restarted so there is no need for CICS to remember the outcome of the UOW.

**System action:** The transaction completes normally but a transaction dump is taken with abend code AD2V. If DB2 is indoubt about the outcome of the UOW it will be resolved when CICS and DB2 are reconnected.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

---

**AD2W**

**Explanation:** The CICS-DB2 attachment facility issued a single-phase commit call to DB2 but received an unexpected response. Transient data message DFHDB2055 details the DB2 reason code received. The commit request may have been processed or it may have been ended. There is no resynchronisation needed, as no CICS recoverable resources were updated.

**System action:** The CICS-DB2 attachment facility abnormally terminates the transaction with abend code AD2W. The CICS recovery manager will supersede the AD2W abend code with abend code ASPR. A transaction dump is taken.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

---

**AD2X**

**Explanation:** The CICS-DB2 attachment facility detected that the CICS task and the thread TCB were in an invalid state. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

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**AD2Y**

**Explanation:** The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool because there were no TCBs available on which to create the thread. The number of thread TCBs currently running is at the TCBLIMIT defined in the DB2CONN. Message DFHDB2010 is output to transient data. The transaction was abended because either

- The DB2ENTRY specifies threadwait(no), meaning do not wait for a thread, including having to wait to create a thread because a TCB is not available - that is, do not wait for a TCB either.
AD2Z • AD3D

• The DB2ENTRY specified threadwait(pool), but the pool definition within the DB2CONN specifies threadwait(no), and again there were no TCBs available.
• The transaction was using the pool directly, the pool specifies threadwait(no) and no TCB was available.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Determine whether TCBLIMIT should be increased or whether the number of transactions using DB2 at any one instance should be limited using transaction classes.

Module: DFHD2EX1

AD2Z

Explanation: DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for the transaction as DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed. Message DFHD2070 is output to transient data detailing the transid involved and the EIBRESP2 from the failed syncpoint rollback command.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Examine the eibresp2 value to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints, or syncpoint rollbacks, cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

Module: DFHD2EX1

AD3B

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 Attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2STR

AD3C

Explanation: An error (INVALID, DISASTER response) has occurred on a CONNECT_TO_DB2 function call to the CICS-DB2 Coordinator program DFHD2CO made by the CICS-DB2 Attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2STR

AD3D

Explanation: An unexpected response was received while attempting to delete a record from a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System action: The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2CM1
AD3E

**Explanation:** During processing of a DB2 request for the transaction, an identify request was made to identify the calling TCB to DB2. The identify request failed. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DB2 request fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the exception trace in the dump to determine why the identify request failed. The CSUB control block is output as part of the exception trace entry, and it contains a record of all calls to DB2 starting at field CSB_TRACE_ENTRIES_START. The identify request contains eyecatcher "IDEN" and is followed by the DB2 FRB response and reason codes.

**Module:** DFHD2D2

AD3F

**Explanation:** During processing of a DB2 request for the transaction, a terminate thread request was made to DB2 which failed. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DB2 request fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the exception trace in the dump to determine why the terminate thread request failed. The CSUB control block is output as part of the exception trace entry, and it contains a record of all calls to DB2 starting at field CSB_TRACE_ENTRIES_START. The terminate thread request contains eyecatcher "TERM" and is followed by the DB2 FRB response and reason codes.

**Module:** DFHD2D2

AD3G

**Explanation:** An unexpected response was received from an EXEC CICS GETMAIN issued during processing of a CICS-DB2 DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DSNC command fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2CM1

AD3H

**Explanation:** The issuing of an EXEC SQL command or IFI call from a Dynamic Plan Exit is not allowed.

**System action:** The task is abnormally terminated.

**User response:** Remove any EXEC SQL commands or IFI calls from the Dynamic Plan Exit.

**Module:** DFHD2EX1

AD3I

**Explanation:** An unexpected response was received from an EXEC CICS INQUIRE DB2CONN command issued during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2CM1

AD3J

**Explanation:** A commit request to DB2, issued during the second phase of syncpoint, failed. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS maintains a record that the UOW committed pending a future resynchronization request with DB2.

**User response:** Examine the exception trace in the dump to determine why the commit request failed. The CSUB control block is output as part of the exception trace entry, and it contains a record of all calls to DB2 starting at field CSB_TRACE_ENTRIES_START. The commit request contains eyecatcher "COMM" and is followed by the DB2 FRB response and reason codes.

**Module:** DFHD2D2

AD3K

**Explanation:** An abort request to DB2, issued during the second phase of syncpoint, failed. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS maintains a record that the UOW backed out pending a future
resynchronization request with DB2.

**User response:** Examine the exception trace in the dump to determine why the abort request failed. The CSUB control block is output as part of the exception trace entry, and it contains a record of all calls to DB2 starting at field CSB_TRACE_ENTRIES_START. The abort request contains eyecatcher "ABRT" and is followed by the DB2 FRB response and reason codes.

**Module:** DFHD2D2

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**AD3L**

**Explanation:** During processing of a DB2 request for the transaction, an associate request was made to associate the DB2 connection with the calling TCB. The associate request failed. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DB2 request fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the exception trace in the dump to determine why the associate request failed. The CSUB control block is output as part of the exception trace entry, and it contains a record of all calls to DB2 starting at field CSB_TRACE_ENTRIES_START. The associate request contains eyecatcher "ASSO" and is followed by the DB2 FRB response and reason codes.

**Module:** DFHD2D2

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**AD3M**

**Explanation:** An unexpected error occurred during processing of a DSNC MODIFY command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DSNC MODIFY command fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

---

**AD3P**

**Explanation:** An unexpected error occurred during processing of a DSNC STOP command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DSNC STOP command fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

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**AD3Q**

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

---

**AD3R**

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** Startup of the CICS-DB2 interface is terminated, the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

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**AD3S**

**Explanation:** An unexpected response was received from an EXEC CICS SET DB2CONN command issued during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1
AD3T

**Explanation:** The transaction was unable to obtain a DB2 thread from the pool. Message DFHDB2011 is output to transient data. The transaction was abended because the transaction tried using a DB2ENTRY but all threads were in use on the DB2ENTRY, and despite threadwait(pool) being specified, all threads in the pool were also in use. The pool definition within the DB2CONN specifies threadwait(no).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

**Module:** DFHD2EX1

AD3U

**Explanation:** An error (INVALID or DISASTER response) has occurred on a locate call to transaction manager (XM) domain to locate a transaction definition. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

AD3W

**Explanation:** An unexpected response was received while attempting to write a record to a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

AD3X

**Explanation:** An unexpected response was received while attempting to write a record to a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System action:** The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

AD3Z

**Explanation:** The CICS-DB2 thread TCB processing the DB2 request for this transaction has abended because the DB2 adapter is being shutdown.

**System action:** The task is abnormally terminated.

**User response:** If this abend should occur at CICS or DB2 shutdown then it can be ignored, because the DB2 adapter is abending the task as part of shutdown processing, otherwise you will need assistance from IBM.

**Module:** DFHD2EX1

ADCA

**Explanation:** This abend is issued if DBCTL returns a non-zero response code when a DL/I request has been issued from an application program.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Look up accompanying message DFHDB8109 that appears on the CDBC transient data destination.

**Module:** DFHDLIDP

ADCB

**Explanation:** This abend occurs if DBCTL has notified CICS that a task has issued a DL/I request, but it did not have a PSB scheduled. If your application does have a PSB scheduled then a possible cause for this abend is that the DBCTL STOP THREAD command may have been used to terminate the DBCTL thread that corresponds to this task.

**System action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** Check if the DBCTL operator has issued a STOP THREAD command for the task that has abnormally terminated. Look up DBCTL response code 28 in the DBCTL return code section of the IMS Messages and Codes.

**Module:** DFHDLIDP
ADCC

**Explanation:** This abend occurs when DBCTL has notified CICS that a task has issued program specification block (PSB) request, but it has a PSB already scheduled. CICS prevents a task from issuing a PSB schedule request to DBCTL when it has already issued a PSB schedule request by returning a PSBSCH response in UIBDLTR. However, in this case it is DBCTL that has rejected the subsequent PSB schedule request. A possible cause for this abend is a storage over-write.

**System action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** Check for any messages issued from your CICS system indicating that storage over-writes have taken place. Look up DBCTL response code 32 in the DBCTL return code section of the IMS Messages and Codes.

**Module:** DFHDLIDP

ADCD

**Explanation:** This abend is issued when a deadlock has been detected by IMS and this transaction has been selected for abnormal termination.

This abend can occur when a transaction is accessing IMS resources via DBCTL or via a remote DLI request to a remote CICS region. The remote CICS region can be accessing IMS via DBCTL, or if it is a CICS 4.1 region or earlier, accessing IMS via local DLI.

**System action:** Access to IMS resources via DBCTL is withdrawn for this transaction. Further attempts to access IMS will result in an AEY9 abend.

CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** If ADCD abends occur infrequently in your system, no action is required although you may like to consider setting your system up in such a way that, after an ADCD abend is issued, the transaction is automatically restarted. See the CICS Recovery and Restart Guide for further information.

If ADCD abends are occurring frequently in your system, you may need to review the design of your applications. Some general techniques for deadlock avoidance are described in the CICS Recovery and Restart Guide.

**Module:** DFHDLIDP

ADCF

**Explanation:** This abend is issued when the module DFHDLIDP detects that the CICS-DBCTL Interface has been configured using a DRA startup table (DFSPZPxx) which specifies option PCBLOC=31, and the application is amode 24.

PCBLOC=31 specifies that the PCB address list and PCBs can be stored above the line. This is incompatible with amode 24 applications.

**System action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** Linkedit the application amode 31, or change the DRA startup table option to PCBLOC=24.

**Module:** DFHDLIDP

ADCI

**Explanation:** This abend is issued when IMS returns a user abend 3303 response for a DL/I request issued from an application program.

**System action:** Access to IMS resources via DBCTL is withdrawn for this transaction. Further attempts to access IMS will result in an AEY9 abend.

CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** Check the description in the IMS Messages and Codes for the meaning of IMS user abend 3303.

**Module:** DFHDLIDP

ADCF

**Explanation:** This abend is issued when an application has been using DBCTL, and while the application was still scheduled to DBCTL, the CICS-DBCTL interface was terminated.

**System action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User response:** Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not

**Module:** DFHDLIDP
know where the CDBC transient is, then please check with your system programmer. Check for messages issued from the DBCTL system.

**Module:** DFHDLIDP

### ADCP

**Explanation:** When checking the DBCTL program specification block (PSB), the external security manager checked the usage of the PSB, and found that:
- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term “user” in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does not check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the CICS Intercommunication Guide.

**Notes.**

By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

**System action:** CICS abnormally terminates the task attempting to schedule the PSB. CICS processing continues.

**User response:** Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

**Module:** DFHDLIDP

### ADCQ

**Explanation:** This abend occurs when an application has issued an EXEC DLI SCHD request for a PSB that contains no DBPCBs, and the SYSSERVE keyword was not specified. This abend also occurs when an application has issued a PCB request for a PSB that contains no DBPCBs, and the IOPCB option was not specified.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check that the application program has scheduled the appropriate PSB.

**Module:** DFHDLIDP

### ADCR

**Explanation:** This abend occurs when an application has issued a DL/I request other than a schedule request, and the DBCTL DRA return code of 40 indicates that there was no active communication with DBCTL.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient data destination is, check with your system programmer. Check for messages issued from the DBCTL system.

**Module:** DFHDLIDP

### ADCS

**Explanation:** CICS issued a single-phase commit request to DBCTL and an unexpected response was returned from DBCTL.

**System action:** CICS issues message DFHDB8119 to transient data queue CDBC, then terminates the task abnormally with a CICS transaction dump.

**User response:** Message DFHDB8119 shows the unexpected response from DBCTL, along with the recovery token of the LUW involved. The explanation of message DFHDB8119 indicates how the outcome of the LUW can be determined.

**Module:** DFHDBAT

### ADCT

**Explanation:** A user has attempted to invoke the CICS-DBCTL control transaction from a terminal.

**System action:** CICS rejects the request.

**User response:** Do not try to invoke CICS internal transactions directly.
ADCV • ADEF

Module: DFHDBCT

Explanation: The connection to DBCTL was terminated and then re-established. The failing task had issued a schedule request against an earlier run of DBCTL and is therefore no longer scheduled.

System action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User response: No action is required, although you may like to consider setting your system up in such a way that, after an abend ADCV is issued, the transaction is automatically restarted.

Module: DFHDLIDP

ADDA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the storage manager domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User response: See related message from the domain that detected the original error.

Module: DFHDBME, DFHDLI, DFHDLIDP

ADDB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the catalog (CC) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User response: See related message from the domain that detected the original error.

Module: DFHDBME, DFHDLI, DFHDLIDP

ADDC

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User response: Refer to the transaction dump to determine why the ENABLE failed.

Module: DFHDBCON, DFHDBDSC

ADEF

Explanation: A severe error has been encountered when executing transaction CLS3.

System action: CLS3 is abnormally terminated with a transaction dump. CICS issues message DFHZC4948.

User response: See message DFHZC4948 for further guidance.
Module: DFHCLS3

ADIR

Explanation: The abend code is issued for either of the following reasons
- A DFHDI or DFHBMS request was issued when the DFHDIP program was generated as a dummy.
- A DFHDI TYPE=RECEIVE or TYPE=NOTE was attempted but the transaction identification did not specify either INBFMH=DIP or INBFMH=ALL.

System action: A CICS transaction dump is provided to assist in problem determination.

User response: Either generate a DFHDIP program into the system or specify INBFMH correctly on the profile definition.

Module: DFHDIP

ADIS

Explanation: EXEC CICS ISSUE SEND request has been issued from a task that has a non-terminal principal facility.

System action: A CICS transaction dump is provided to assist in problem determination.

User response: Use a terminal or device that is properly supported.

Module: DFHEDI

ADLE

Explanation: A DL/I request was made for a remote database, but the system named in the remote PDIR entry was unknown to CICS, that is, not specified in a DFHTCT TYPE=SYSTEM macro or CEDA DEFINE CONNECTION command.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Either correct the SYSDNT parameter in the relevant DFHDLPSB entry, or define the remote system to CICS with a DFHTCT TYPE=SYSTEM macro or a CEDA DEFINE CONNECTION command.

Module: DFHDLIRP

ADLF

Explanation: A DL/I request was made for a remote database, but the link to the system on which the database resides was down.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Notify the system programmer. Once the link to the remote system has been reestablished, resubmit the transaction.

Module: DFHDLIRP

ADLG

Explanation: A DL/I request was made for a remote database, but there were errors in the DL/I argument list that was provided by the user.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Ensure that any errors in the DL/I argument are corrected.

Module: DFHDLIRP

ADLP

Explanation: When checking the DLI program specification block (PSB), the external security manager checked the usage of the PSB, and found that
- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term “user” in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does not check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the CICS Intercommunication Guide.

By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

System action: The task attempting to schedule the PSB abnormally terminates.

User response: Ensure that the PSB is defined to the
external security manager, and that all users have the
 correct level of authorization. If the system setup is
correct, note the security violation.

**Module:** DFHDLIRP

**ADMA**

**Explanation:** The alternate CICS task responsible for
tracking the DBCTL connection status of the active
CICS has received an error from the CICS Availability
Manager (CAVM) message input service.

**System action:** The tracking transaction terminates
with a CICS transaction dump. No further action is
taken in response to DBCTL status changes. The global
exits, XXDFB and XXDTO, are never invoked and no
attempt at a DBCTL restart is made in the event of a
takeover. This abend is accompanied by DFHDX8331.

**User response:** Check for any other messages relating
to the CAVM data set problems. In the event of a
takeover, it may be necessary to restart DBCTL
manually.

**Module:** DFHDBCR

**ADMB**

**Explanation:** The CICS/XRF DBCTL tracking task has
received an unrecognizable message from the
CICS/XRF message manager. This abend is preceded
by message DFHDX8333.

**System action:** The CICS/XRF DBCTL tracking task
abends.

**User response:** Refer to the instructions for message
DFHDX8333.

**Module:** DFHDBCR.

**ADMD**

**Explanation:** The alternate CICS system task
responsible for tracking the DBCTL connection status
of the active CICS has been unable to complete its search
for a DBCTL alternate, possibly due to an unexpected
return code from an IEFSSREQ request.

**System action:** A CICS transaction dump is produced.
The tracking transaction continues as if no DBCTL
alternate had been found. This abend is accompanied
by message DFHDX8335.

**User response:** Refer to message DFHDX8335 for
further information. It may be necessary to restart
DBCTL manually.

**Module:** DFHDBCR.

**ADPA**

**Explanation:** The CICS supplied transaction for
managing debugging profiles, CADP, has received a
exception response from the file manager, with reason
file error. The file manager will have issued a message
to the CICS joblog containing a code which indicates
the precise nature of the error. For example this abend
will be issued if the underlying file DFHDPFMB used
by CADP is disabled or doesn't exist.

**System action:** CICS abends the transaction with a
transaction dump.

**User response:** Examine the CICS joblog for associated
messages, correct the problem and retry the CADP
transaction.

**Module:** DFHDPLU

**ADPB**

**Explanation:** The CICS supplied transaction for
managing debugging profiles, CADP, has received a
disaster response from the file manager, with reason
internal error. There is an error in the file manager
program.

**System action:** CICS abends the transaction with a
transaction dump.

**User response:** Examine the CICS joblog for associated
messages. Contact IBM for assistance with this type of
error.

**Module:** DFHDPLU

**ADPC**

**Explanation:** The CICS supplied transaction for
managing debugging profiles, CADP, has received a
disaster response from the file manager, with reason
disaster percolation. There is an error in one of the
CICS domains called by the file manager.

**System action:** CICS abends the transaction with a
transaction dump.

**User response:** Examine the CICS joblog for associated
messages. Contact IBM for assistance with this type of
error.

**Module:** DFHDPLU

**ADPD**

**Explanation:** The CICS supplied transaction for
managing debugging profiles, CADP, has received a
purged response from the file manager, reason disaster
percolation. It is likely that an underlying request to
CICS File Control has timed out because the record that
CADP is trying to access, is held up by another
transaction. For example this would occur if CECI was
being used to access the underlying file, DFHDPFMB, at
the same time as using CADP.
System action: CICS abends the transaction with a transaction dump.

User response: Investigate if there are other tasks running against the file used by CADP.

Module: DFHDPLU

ADPI

Explanation: The CICS supplied program for inactivating all debugging profiles, DFHDPIN, has received a exception response from the file manager, with reason file error. The file manager will have issued a message to the CICS joblog containing a code which indicates the precise nature of the error. For example this abend will be issued if the underlying file DFHDPFMB used by CADP was disabled or deleted whilst DFHDPIN was running.

System action: CICS abends the transaction with a transaction dump.

User response: Examine the CICS joblog for associated messages, correct the problem and retry the CADP transaction.

Module: DFHDPIN

ADPL

Explanation: A server program has issued a command which is restricted in the distributed program link (DPL) environment. Certain API and CPI-RR requests, and the DL/I terminate request are not allowed in the DPL environment. See the CICS Application Programming Guide for a list of these restricted commands.

A server program is a program which has been remotely linked, or a program defined to run with the DPL subset.

System action: CICS abends the transaction with a transaction dump.

User response: Remove the restricted commands from the server program, or run the server program locally.

Module: DFHEIP, DFHCPIR, DFHDLI

ADXA

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8319.

User response: Diagnose the error from the CICS transaction dump. Refer to DFHDX8319 for further information.

Module: DFHDXCU

ADXB

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8318.

User response: Use the dump to help diagnose the problem. Refer to DFHDX8318 for further information. Check for any other messages relating to CICS availability manager (CAVM) data set problems.

Module: DFHDXCU

AExx abend codes

AEC1

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a terminal of size less than 24 X 80.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Use a terminal that is supported by the Command Level Interpreter, Enhanced Master Terminal, or RDO transaction.

Module: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC2

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a display terminal of size less than 24 X 80.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Use a display terminal that is supported by the Command Level Interpreter or Enhanced Master Terminal or RDO transaction.

Module: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC7

Explanation: Language Environment has encountered an unexpected error during the THREAD INITIALIZATION phase while attempting to execute a Language Environment enabled program. The return code received from Language Environment is placed into the field EIBRESP2.
**AEC8**

**System action:** Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

**User response:** Refer to the error message or messages issued by Language Environment to determine the cause of the problem.

**Module:** DFHAPLI

---

**AEC9**

**Explanation:** Language Environment has encountered an unexpected error during the RUNUNIT BEGIN INVOCATION phase while attempting to execute a Language Environment enabled program.

**System action:** The return code received from Language Environment is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

**User response:** Refer to the error message or messages issued by Language Environment to determine the cause of the problem.

**Module:** DFHAPLI

---

**AECA**

**Explanation:** An attempt has been made to run one of the CICS internal EP adapter transactions, CEPQ or CEPT, as a user transaction.

**System action:** CICS terminates the task.

**User response:** Investigate why the attempt was made to run a CICS-supplied EP adapter as a user transaction.

**Module:** DFHECEAM, DFHECEAS, DFHECEAT

---

**AECC**

**Explanation:** An error occurred while emitting an event. This problem is likely to have been caused by an error in the specification of the event or in the configuration of the EP adapter.

**System action:** An exception trace entry is written. The EP adapter task is abnormally terminated with a CICS transaction dump.

**User response:** Inspect the CICS trace and message log to determine the cause of the failure.

**Module:** DFHECEAM, DFHECEAS, DFHECEAT

---

**AECE**

**Explanation:** An unexpected error occurred in the event processing deferred filtering task CEPF.

**System action:** An exception trace entry is written. The CEPF task is abnormally terminated with a CICS transaction dump.

**User response:** Inspect the CICS trace and message log to determine the cause of the failure.

**Module:** DFHECDF

---

**AECM**

**Explanation:** An attempt was made to attach a CICS event processing deferred filtering task CEPF, but the transaction was not attached internally by CICS.

**System action:** An exception trace entry is written. The CEPF task is abnormally terminated.

**User response:** Investigate why an attempt was made to run a CICS supplied event processing deferred filtering task as a user transaction.

**Module:** DFHECDF

---

**AECO**

**Explanation:** An unexpected error occurred while emitting an event.

**System action:** An exception trace entry is written. The EP adapter task is abnormally terminated with a CICS transaction dump.

**User response:** Inspect the CICS trace and message log to determine the cause of the failure.

**Module:** DFHECEAM, DFHECEAS, DFHECEAT

---

**AECY**

**Explanation:** The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated.
with a CICS transaction dump.

**User response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHECEAM, DFHECEAS, DFHECEAT

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#### AECZ

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHECEAM, DFHECEAS, DFHECEAT

---

#### AED2

**Explanation:** The program EDF has terminated a task and placed this abend code in the terminated task's TCA. This occurs because execution of EDF is about to be abnormally terminated. A probable reason for EDF being terminated is that a line, control unit, or a terminal has been put out of service.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Use a terminal that is supported as a display terminal by EDF. A CICS transaction dump of the task terminated with this abend code is available for review.

**Module:** DFHEDFX

---

#### AED3

**Explanation:** The program EDF has terminated a task and placed this abend code in the terminated task's TCA. The termination occurs because execution of EDF is about to be abnormally terminated.

One possible cause of an abend in EDF is incorrect data being sent to the terminal by the user task.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** A CICS transaction dump of the terminated task and also a similar dump for EDF, when its termination was abnormally terminated, are available for review.

**Module:** DFHEDFX

---

#### AED4

**Explanation:** An internal logic error has been detected in EDF module DFHEDFP.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** This indicates a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHEDFP

---

#### AED5

**Explanation:** An internal logic error was been detected in EDF. Insufficient dynamic storage was pre-allocated.

**System action:** EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.

**User response:** The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of
AED6 • AEDD

the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEDFD

AED6
Explanation: An internal logic error was detected in EDF.
System action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.
User response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFU

AED7
Explanation: The installed definition of the transaction CEDF has a TWA size which is too small.
System action: CICS abnormally terminates the transaction with a CICS transaction dump.
User response: If you have an updated copy of the CEDF transaction installed, ensure that you have a TWA size at least as big as the one defined by the IBM supplied definition. If you do not have an updated CEDF you may need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFP

AED8
Explanation: A terminal control error has occurred in DFHEDFX.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFX

AED9
Explanation: A temporary storage error has occurred in EDF. This could be caused by an input/output error on temporary storage or because temporary storage data is full.
System action: EDF is abnormally terminated with a CICS transaction dump.
User response: Investigate the reason for the temporary storage request failure. Ensure that the definition of the temporary storage data set is correct.

See the CICS Problem Determination Guide for further guidance in dealing with temporary storage problems.
Module: DFHEDFD

AEDA
Explanation: The CEDF transaction has been started with an invalid start code. This could be the result of attempting to start the execution diagnostic facility (EDF) with EXEC CICS START(CEDF).
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine why the start has failed.
Module: DFHEDFX

AEDB
Explanation: DFHEDFP has been passed an invalid EDFXA. This is an internal CICS error.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFX

AEDC
Explanation: The program EDF has terminated because a GETMAIN request to the storage manager failed.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine why the request has failed.
Module: DFHEDFX

AEDD
Explanation: CICS has attempted to attach the EDF task to display the user request but the attach has failed.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine why the attach has failed.
Module: DFHEDFX
AEDE
Explanation: CICS has suspended the user task to allow the EDF task to complete but an error has occurred while performing the suspend.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine why the suspend has failed.
Module: DFHEDFX

AEDF
Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has been purged while suspended, before control was returned from EDF.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: The task was probably purged by the master terminal operator.
Investigate the reason why the task was purged. This may have been in an attempt to clear the system which appeared to be deadlocked for some reason.
Module: DFHEDFX

AEDG
Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has gone away while suspended, before control was returned from EDF.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine the reason why the task finished before being resumed.
Module: DFHEDFX

AEDH
Explanation: An error occurred when CICS called the Program Manager in order to discover details of the user program that has invoked EDF.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Use the transaction dump to determine why the call has failed.
Module: DFHEDFX

AEI0
Explanation: PGMIDERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEI1
Explanation: TRANSIDERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEI2
Explanation: ENDDATA condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEI3
Explanation: INVTSREQ condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEI4
Explanation: EXPIRED condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEI8
Explanation: TSIOERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
AEI9 • AEIA

See the description of abend AEIA for further details.

**Module:** DFHEIP

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**AEI9**

**Explanation:** MAPFAIL condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

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**AEIA**

AEID to AEI9, AEXC, AEXF, AEXG, AEXI to AEXL, AEXV to AEXX, AEX0 to AEX9, AEYA to AEYC, AEYE to AEY3, AEY7, and AEZE to AEZX.

**Explanation:** The EXEC interface program issues an abend when an exceptional condition has occurred but the command does not have the RESP option (or NOHANDLE option), or the application program has not executed an EXEC CICS HANDLE CONDITION command for that condition. This will cause DFHEIP to take the system action for the condition in question. In most cases, the system action will be to abend the transaction.

Because of their similar characteristics, the above-named abend codes for the EXEC interface program are described as a group. The codes and their corresponding exceptional conditions are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEI9</td>
<td>ERROR</td>
</tr>
<tr>
<td>AEID</td>
<td>EOF</td>
</tr>
<tr>
<td>AEIE</td>
<td>EODS</td>
</tr>
<tr>
<td>AEIG</td>
<td>INBFMH</td>
</tr>
<tr>
<td>AIEH</td>
<td>ENDPINT</td>
</tr>
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<td>NONVAL</td>
</tr>
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<td>TERMIDERR</td>
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<td>NOTFND</td>
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<td>ENDFILE</td>
</tr>
<tr>
<td>AEIU</td>
<td>ILLOGIC</td>
</tr>
</tbody>
</table>

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System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Change the application program either to prevent the condition recurring, to check it by using the RESP option, or to handle the condition when it does occur (by using the EXEC CICS HANDLE CONDITION command). It necessary, use the contents of the EIBRESP2 field or the EIBRCODE in the EIB to assist in determining the cause of the exceptional condition.

Problem determination: The function code of the command that produced the exceptional response and the response code can be found in the EXEC interface block (EIB). The EIB is part of a larger control block, used by DFHEIP, known as the EXEC interface storage block (EIS). The EIS is addressed by the TCAEISA, which is the system part of the TCA + X'90. The EIB is pointed to from the EIS + X'8.

The function code may be located at offset X'1B in the EIB while the response codes may be one of the following at the given offsets:

**EIBRCODE**
- X'1D

**EIBRESP**
- X'4C

**EIBRESP2**
- X'50

The CICS Application Programming Reference gives translations of the encoded functions and their responses.

Analysis: Because these abend codes are directly related to exceptional conditions that can be specified in HANDLE CONDITION commands, the application programmer should decide whether the condition is one that should be handled by the application (for example ENDFILE), or one that requires modifications to the application or CICS tables. The DFHEIP abend codes

Module: DFHEIP

**AEID**

Explanation: EOF condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

Module: DFHEIP

**AEIE**

Explanation: EODS condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

Module: DFHEIP
AEIG  •  AEIQ

**AEIG**
Explanation: INBFMH condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIH**
Explanation: ENDINPT condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEII**
Explanation: NONVAL condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIJ**
Explanation: NOSTART condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIK**
Explanation: TERMDERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIL**
Explanation: FILENOTFOUND condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
**Module:** DFHEIP

See the description of abend AEIA for further details.

**AEIM**
Explanation: NOTFND condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIN**
Explanation: DUPREC condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIO**
Explanation: DUPKEY condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIP**
Explanation: INVREQ condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

**AEIQ**
Explanation: IOERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP
AEIR
Explanation: NOSPACE condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEIS
Explanation: NOTOPEN condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEIT
Explanation: ENDFILE condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEIU
Explanation: ILLOGIC condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEIV
Explanation: LENGERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEIW
Explanation: QZERO condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.
Module: DFHEIP

AEIZ
Explanation: ITEMERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AELA
Explanation: The executing function has been purged before control could be returned.
System action: The transaction is marked to be abnormally terminated with abend code AELA.
User response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.
If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.
If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.
Module: DFHETL

AELB
Explanation: The executing function has been purged before control could be returned.
System action: The transaction is marked to be abnormally terminated with abend code AELB.
User response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.
If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.
If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.
Module: DFHEGL

AEMA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the application (AP) domain when a request for set user exit active could not be serviced.

System action: The task is abnormally terminated. The domain that detected the original error issues a console message and might provide an exception trace, and depending on the options specified in the dump table, a system dump.

User response: See the associated console message for further guidance.

Module: DFHUEM

AEMB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User response: See the related message from the domain that detected the original error.

Module: DFHUEM

AEMP

Explanation: The task was purged before a set active request to the application (AP) domain was able to complete successfully. The domain that first detected the purged condition may provide an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHUEM

AEPD

Explanation: An unexpected error occurred while dispatching events.

System action: An exception trace entry is written. The EP dispatcher task is abnormally terminated with a CICS transaction dump.

User response: Inspect the CICS trace and message log to determine the cause of the failure.

Module: DFHEPDS

AEPM

Explanation: An attempt was made to attach a CICS EP dispatcher task, but the transaction was not attached internally by CICS.

System action: An exception trace is written. The EP dispatcher task is abnormally terminated.

User response: Investigate why the attempt was made to run a CICS-supplied EP dispatcher task as a user transaction.
Module: DFHEPDS, DFHEPSY

AEPO

Explanation: An unexpected error occurred in the EP dispatcher event queue server task.

System action: An exception trace entry is written. The EP dispatcher task is abnormally terminated with a CICS transaction dump.

User response: Inspect the CICS trace and message log to determine the cause of the failure.

Module: DFHEPSY

AETA

Explanation: A CICS transaction has issued a non-CICS command via an application “stub” (an expansion of a DFHRMCAL macro). Program DFHERM has determined that the exit has been disabled since the previous DFHRMCAL request was issued from the transaction.

System action: The task is abnormally terminated with a transaction dump

User response: Notify your system programmer.

Module: DFHERM

AETC

Explanation: A CICS transaction has issued a non-CICS command via an application “stub” (an expansion of a DFHRMCAL macro). However, the task-related user exit (TRUE) is not known to program manager.

System action: The task is abnormally terminated with a transaction dump

User response: Ensure that the TRUE as identified to the DFHRMCAL macro has been correctly defined to CICS.

Module: DFHERM

AETF

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

Module: DFHERM

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.
**AETI**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHERM

---

**AETJ**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM

---

**AETK**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM

---

**AETL**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_UOW call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM

---

**AETM**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_TRANSACTION call to the transaction manager (XM) domain. For errors other than EXCEPTION, the XM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRMSY

---

**AETN**

**Explanation:** An EXCEPTION response with an unexpected reason occurred on an INITIITATE_RECOVERY call to recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRMSY
AETO

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INITIATE_RECOVERY call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETP

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on a TERMINATE_RECOVERY call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETQ

Explanation: An EXCEPTION response with an unexpected reason occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETR

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETS

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_STARTUP call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AEX0

Explanation: TCIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEX1

Explanation: DSNNOTFOUND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.
**AEX2 • AEXG**

**Module:** DFHEIP

---

**AEX2**

**Explanation:** LOADING condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX3**

**Explanation:** MODELIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX4**

**Explanation:** UOWNOTFOUND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX5**

**Explanation:** PARTNERIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX6**

**Explanation:** PROFILEIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX7**

**Explanation:** NETNAMEIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX8**

**Explanation:** LOCKED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEX9**

**Explanation:** RECORDBUSY condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXC**

**Explanation:** RESIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXF**

**Explanation:** ESCERROR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXG**

**Explanation:** UOWLNOTFOUND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group. See the description of abend AEIA for further details.

**Module:** DFHEIP
characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXI**

**Explanation:** TERMERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXJ**

**Explanation:** ROLLEDBACK condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXK**

**Explanation:** END condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXL**

**Explanation:** DISABLED condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEXU**

**Explanation:** The executing transaction has been purged before control could be returned.
This can arise when the transaction is purged while
- A CICS command was being processed
- The transaction was waiting to be dispatched

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Contact your system programmer to determine why the transaction has been purged.

**Module:** DFHACP, DFHAPRX, DFHBEP, DFHBREX, DFHBRC, DFHBRS, DFHBRSF, DFHBRTC, DFHBTS, DFHBSZTO, DFHD2CC, DFHD2EX1, DFHD2EX2, DFHD2STR, DFHDCP, DFHDFP, DFHEID, DFHEEI, DFHEGL, DFHEICRE, DFHEIDEF, DFHEIDEL, DFHEIENS, DFHEIIC, DFHEIP, DFHEIPA, DFHEIPI, DFHEIPRT, DFHEIPE, DFHEIPSH,
AEXZ • AEY7

AEXZ
Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System action: The transaction is abnormally terminated with abend code AEXZ. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHEIP

AEY1
Explanation: INVPARTNSET condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

Module: DFHEIP

AEY2
Explanation: INVPARTN condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

Module: DFHEIP

AEY3
Explanation: PARTNFAIL condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

Module: DFHEIP

AEY6
Explanation: Internal logic error in DFHUEM. This arises when using EXITALL to DISABLE an exit program from all exit points for which it has been enabled. The entire user exit table has been scanned and all associations of the program have been found. But the activation count for the program in its exit program block indicates there should be more associations (for example, the activation count has not been reduced to zero). The user exit table and associated control blocks (EPBs and EPLs) are out of step and have probably been corrupted.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHUEM

AEY7
Explanation: NOTAUTH condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEY8**

**Explanation:** No DSA was found on the chain while trying to free dynamic storage for an assembler language program using an EXEC CICS command.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that the DFHEIENT, DFHEISTG, and DFHEIEND macro invocations are correctly positioned and retry. If the error persists, you will need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEIP

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**AEY9**

**Explanation:** The AEY9 abend can occur for the following reasons:

- An EXEC CICS command has been issued that is not supported by the EXEC interface program DFHEIP.
- A transaction has issued an EXEC CICS command which is supported in principle by the EXEC interface program DFHEIP, but for which the prerequisite function has not been included in the current CICS start-up.
- A non-CICS command has been issued by an application stub (expansion of a DFHRMCAL macro), and the program DFHERM has detected that the required non-CICS support is not available. For example, an attempt to access DB2 when a DB2CONN resource is not enabled results in this abend.
- An attempt has been made to use remote resources, but the local SYSID has been specified in an EXEC CICS command, or vice versa.
- An attempt has been made to use remote resources, but ISC is not supported.
- An EXEC CICS command contains an invalid AID or CONDITION identifier. This abend indicates that the EXEC CICS command has become corrupted.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check that the SYSID specified and the resource names were correct. If not, notify the system programmer. Either the command (or an application stub) has become corrupted, or the unavailable function has to be generated or enabled. In exceptionally circumstances, the non-CICS support might have suffered damage and is attempting to withdraw from the CICS system.

**Module:** DFHEIP, DFHEEI

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**AEYA**

**Explanation:** INVERRTERM condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

---

**AEYB**

**Explanation:** INVMPSZ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

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**AEYC**

**Explanation:** IGREQID condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

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**AEYD**

**Explanation:** A transaction has requested that CICS access a storage area that the transaction itself could not access. This occurred when an invalid storage area was passed to CICS as an output parameter on an EXEC CICS command.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Examine the trace to find the exception trace entry created by DFHEISR and then identify the parameter in error. If the abend is handled, EXEC CICS ASSIGN ASRASTG, ASRAKEY, ASRASPC, and ASRARREGS give additional information about the abend. At the time of the abend, register 2 points to the storage area at fault.

Change one or more of the following:

- Correct the code in error in the transaction issuing the EXEC CICS command in order to supply a valid storage area.
- If storage protection is active, change the EXECKey on the CEDA definition for the program that issued the EXEC CICS command from USER to CICS.
If storage protection is active, change the TASKDATAKEY attributes on the transaction definition from CICS to USER.

If transaction isolation is active, change the ISOLATE attribute on the transaction definition from YES to NO.

**Module:** DFHSRP

**AEYE**

**Explanation:** INVLDC condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

**AEYF**

**Explanation:** A transaction has requested that CICS access a storage area that the transaction itself could not access. This occurred when an invalid storage area was passed to CICS on a PUT CONTAINER or a GET CONTAINER command. The error can occur when

- Either the FROM or INTO address is specified incorrectly.
- The FLENGTH value specifies a value large enough to cause the area to include storage which the transaction can not access.

A common cause of this error is specifying the address of a halfword area in the FLENGTH parameter, which expects a fullword area. This error can arise when a program which previously used commareas, which have halfword lengths, has been modified to use containers which have fullword lengths.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Examine the trace to find the entry trace entry created by DFHEISR and then identify the parameter in error. If the abend is handled, EXEC CICS ASSIGN ASRASTG, ASRAKEY, ASRASPC, and ASRAREGS give additional information about the abend. At the time of the abend, register 2 points to the storage area at fault.

You will most likely need to do the following

- Correct the program in error that issued the EXEC CICS PUT CONTAINER or EXEC CICS GET CONTAINER command. Ensure that it supplies the address of a valid storage area and that it supplies an FLENGTH such that no part of the storage area is inaccessible to the transaction. Ensure that FLENGTH refers to a fullword length.

You may also need to consider changing one or more of the following

- If storage protection is active, change the EXECKEY on the CEDA definition for the program that issued the EXEC CICS command from USER to CICS.
- If storage protection is active, change the TASKDATAKEY attributes on the transaction definition from CICS to USER.
- If transaction isolation is active, change the ISOLATE attribute on the transaction definition from YES to NO.

**Module:** DFHSRP

**AEYG**

**Explanation:** JIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

**AEYH**

**Explanation:** QIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

**AEYJ**

**Explanation:** DSSTAT condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

**AEYK**

**Explanation:** SELNERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module:** DFHEIP

**AEYL**

**Explanation:** FUCERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar
| Module: DFHEIP | AEYM  | Explanation: UNEXPIN condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
|----------------|-------|-----------------------------------------------|
| AEYN | Explanation: NOPASSBKRD condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYO | Explanation: NOPASSBKWR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYP | Explanation: SEGIDERR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYQ | Explanation: SYSIDERR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYR | Explanation: ISCINVREQ condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYT | Explanation: ENVDEFERR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYU | Explanation: IGREQCD condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYV | Explanation: SESSIONERR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYX | Explanation: USERIDERR condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
| AEYY | Explanation: NOTALLOC condition not handled.  
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.  
See the description of abend AEIA for further details. |
**AEYZ • AEZF**

See the description of abend AEIA for further details.

**Module: DFHEIP**

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**AEYZ**

**Explanation:** CBIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module: DFHEIP**

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**AEZA**

**Explanation:** A transaction has been defined with a TASKDATALOC(ANY), but the programs within the transaction are running amode 24. The exec interface program is therefore is unable to access the TCA for the application. Furthermore, any reference to the EIB would cause the transaction to fail with an OC4 protection exception.

**System action:** The transaction is abnormally terminated.

**User response:** Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the programs as amode 31.

**Module: DFHEIP**

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**AEZB**

**Explanation:** A transaction has been defined with a TASKDATALOC(ANY), and the application is attempting to call a task related user exit. However the task related user exit has been linkededit AMODE 24 and enabled with the LINKEDITMODE option, thereby directing CICS to invoke it in AMODE 24. An AMODE 24 task related user exit cannot run when the calling application is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

**System action:** The transaction is abnormally terminated.

**User response:** Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or modify the task related user exit so that it is invoked in AMODE 31.

**Module: DFHAPLI**

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**AEZE**

**Explanation:** CHANGED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module: DFHEIP**

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**AEZF**

**Explanation:** PROCESSBUSY condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

**Module: DFHEIP**
AEZG
Explanation: ACTIVITYBUSY condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZH
Explanation: PROCESSERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZI
Explanation: ACTIVITYERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZJ
Explanation: CONTAINERERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZK
Explanation: EVENTERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZL
Explanation: TOKENERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

See the description of abend AEIA for further details.
AEZR • AFC2

AEZR
Explanation: NOTSUPERUSER condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZS
Explanation: CSDERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZT
Explanation: DUPRES condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZU
Explanation: RESUNAVAIL condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AFxx abend codes

AFC0
Explanation: An attempt has been made to update a file after file control restart failed.
System action: The transaction is abnormally terminated with a transaction dump.
User response: Determine the cause of the failure in file control restart. Restart CICS.
Module: DFHEIFC, DFHDMPCA

AFC2
Explanation: DFHFCU issued a call to DFHFCFS to open a file. A disastrous error was returned from DFHFCFS.
System action: The task is abnormally terminated with a CICS transaction dump.
At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.
CICS processing continues.
User response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.
Module: DFHFCU

AEZV
Explanation: CHANNELERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZW
Explanation: CCSIDERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZX
Explanation: TIMEDOUT condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP

AEZY
Explanation: CODEPAGEERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
Module: DFHEIP
AFC7

Explanation: The CICS definition file (CSD) manager (DFHDMPCA) issued a request to DFHFCFS to enable, open or close the DFHCSD file. A “disastrous error” response was returned from DFHFCFS to DFHDMPCA.

System action: The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

User response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

Module: DFHDMPCA

AFCB

Explanation: Module DFHEIFC issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.

Module: DFHEIFC

AFCC

Explanation: An internal logic error was detected when calling the file control request processing module DFHFCFR. Either DFHFCFR returned an INVALID response to its caller indicating an error in the caller's parameter list, or DFHFCFR passed back a return code that was not recognized by its caller.

System action: The transaction is abnormally terminated with a transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEIFC, DFHDMPCA

AFCE

Explanation: A GETMAIN for FFLE storage has failed.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Retry the failed transaction.

Module: DFHEIFC

AFCF

Explanation: A deadlock has been detected between two or more tasks issuing file control requests.

System action: The task that would have entered deadlock is abended with a CICS transaction dump.

User response: Examine this transaction and other transactions in the system that update the same files to find the cause of the deadlock, then correct the error.

When transactions update several files within the same unit of work, all transactions should update these files in the same order. A transaction that abends AFCF may be retried by specifying RESTART(YES) in the transaction definition and by coding a suitable DFHREST program.

Module: DFHEIFC, DFHDMPCA

AFCG

Explanation: A transaction has issued a sequence of file control requests that would cause the file to deadlock itself. This response arises for different reasons depending upon the file type.

If the file is being accessed in non-RLS mode, the response is caused by the transaction making conflicting requests against the same CI. For example, if the file is being accessed using LSR, a self deadlock will arise when an attempt is made to read a record that is in the same CI as a record that is the subject of a READ UPDATE or WRITE MASSINSERT request issued by the same transaction.

If the file is accessed in RLS mode there is no CI locking, but self deadlock responses can still arise. They are caused by sequences of requests that are either logically meaningless or which cannot be performed by VSAM RLS.

With VSAM RLS the most likely causes of this abend are as follows

- Two successive READ UPDATE requests against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.
  This is an incorrect use of file control requests.
- A transaction has created a record by WRITE MASSINSERT and then, without terminating the WRITE MASSINSERT sequence by issuing an UNLOCK request, the same transaction has attempted to modify the same record by issuing a READ UPDATE or DELETE request.
  This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the UNLOCK request.
- A transaction has updated or deleted a record using a browse for update sequence and then, without terminating the browse for update sequence by
issuing an ENDBR request, the same transaction has attempted to modify the same record by issuing a separate READ UPDATE or DELETE or WRITE request.

This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the ENDBR request.

If the file is used to access a coupling facility data table, then self deadlock responses are caused by sequences of requests that are either logically meaningless or which cannot be performed by coupling facility data tables support.

For coupling facility data tables, the most likely cause of this abend is as follows

- Two successive READ UPDATE requests have been issued against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.

This is an incorrect use of file control requests.

System action: The task that would have entered deadlock is abended with a CICS transaction dump.

User response: Examine the previous requests made by this transaction against this file to identify the cause of the deadlock, then correct the error. In some cases (particularly when the file is being accessed in RLS mode or is using a coupling facility data table) this abend may indicate a programming error in the program that issued the file control requests.

Module: DFHEIFC, DFHDMPCA

AFCH

Explanation: The transaction has issued a request for a remote shared data table for which it has an active browse, but in the meantime the table has been disabled or closed by the owning CICS system, or the owning CICS system has failed.

System action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User response: In the application owning region, take whatever action normally follows the issue of a FORCE request in, or the failure of, the file owning CICS system.

See the CICS Shared Data Tables Guide for further guidance.

Module: DFHEIFC

AFCK

Explanation: The transaction issued a file update request (READ UPDATE, WRITE or DELETE) against an RLS mode data set for which a DFSMSdss non-BWO backup was in progress.

System action: The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues.

User response: All new file update requests are prohibited when a non-BWO backup is in progress for an RLS mode data set. This restriction is automatically lifted when the backup completes. (A non-BWO backup is any type of backup operation other than a Backup While Open backup.) When the backup has completed, retry the transaction.

Module: DFHEIFC

AFCJ

Explanation: DFHFCU issued a call to DFHFCFS to open a file. A purged error was returned from DFHFCFS because the task has been waiting for a resource longer than the DTIMEOUT interval specified for the CSFU transaction.

System action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User response: Examine the dump to determine the cause of the error. A system dump can be produced by adding the appropriate dump table entry using the CEMT SET TRDUMPCODE command.

Module: DFHFCU

AFCI

Explanation: The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). During the processing of the request the transaction was purged. That is, the transaction was the subject of an explicit PURGE or FORCETRACK request, was timed out, or was selected by CICS for termination in an attempt to alleviate an SOS condition.

System action: A CICS transaction dump is issued with abend code AFCI.

A “purged” response is returned from DFHFCFR to its caller. The transaction issuing the file control request will eventually issue an AFCY abend with a further transaction dump.

User response: In some instances, for example if the transaction was explicitly purged, no further action is necessary.

Otherwise examine the exception trace and the transaction dump to identify the point at which the purge occurred.

Module: DFHFCFR
**Module**: DFHDMPCA, DFHEIFC

**AFCL**

**Explanation**: During the loading of a Shared Data Table by the CFTL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

**System action**: Message DFHFC0949 is issued. Loading of the data table is terminated and CFTL abends.

**User response**: Refer to the description of the message for further information and guidance.

**Module**: DFHDTLX

**AFCM**

**Explanation**: During the loading of a data table by the CFTL transaction, an abend was detected, or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

**System action**: A message is issued (one of DFHFC0945, DFHFC0946, or DFHFC0947). Loading of the data table is terminated and CFTL abends.

**User response**: If this abend is produced as a result of an abend during loading, message DFHFC0945 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC0946 or DFHFC0947 is issued. Refer to the description of the message for further information and guidance.

**Module**: DFHDTLX

**AFCN**

**Explanation**: The transaction issued a file request that caused file control to attempt to create a journal record but the record was too large for the journal buffer to accommodate. This indicates that a journal referenced in the file definition is using an MVS logstream, which in turn, is using a coupling facility structure which has been defined with a MAXBUFSIZE parameter less than the recommended 64000.

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Redefine the coupling facility structure that the logstream is using with a MAXBUFSIZE parameter of 64000. The journal in error can be the forward recovery log or the journal used for auto-archiving. If the module that detected the error is DFHDMPCA, the error is associated with a journal referenced in the definition of the CSD (DFHCSD).

**Module**: DFHDMPCA, DFHEIFC

**AFCS**

**Explanation**: An attempt was made to attach a transaction specifying DFHDTLX as the program to be given control, but the transaction was not internally attached by CICS.

DFHDTLX is for use by CICS system transaction CFTL. This loads a Shared Data Table.

**System action**: The transaction is abnormally terminated. CICS processing continues.

**User response**: Establish why an attempt was made to attach CFTL illegally, or why a transaction definition specified DFHDTLX as the program to be given control.

**Module**: DFHDTLX

**AFCO**

**Explanation**: The program issued a file control request against a file opened in RLS mode. While executing this request, CICS detected that the SMSVSAM server address space had failed.

**System action**: The task is abnormally terminated with a CICS transaction dump.

CICS disables all further RLS accesses and initiates error recovery.

**User response**: Retry the transaction when the server is available again.

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

**Module**: DFHDTLX

**AFCR**

**Explanation**: During the loading of a data table by the CFTL transaction, an abend was detected, or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

**System action**: A message is issued (one of DFHFC0945, DFHFC0946, or DFHFC0947). Loading of the data table is terminated and CFTL abends.

**User response**: If this abend is produced as a result of an abend during loading, message DFHFC0945 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC0946 or DFHFC0947 is issued. Refer to the description of the message for further information and guidance.

**Module**: DFHDTLX

**AFCS**

**Explanation**: The program issued a file control request against a file opened in RLS mode. VSAM was unable to perform this request because the SMSVSAM server address space was inactive.

However, if an offsite restart is being performed (that is, OFFSITE=YES was specified as a system initialization override), this transaction abend is also issued even if the SMSVSAM server address space is active. This is because RLS access is not allowed during an offsite restart for any RLS file control requests other than those issued by transactions which have been attached by CICS to perform RLS recovery work.

**System action**: The task is abnormally terminated with a CICS transaction dump.

**User response**: Retry the transaction when the server is available again.

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

**Module**: DFHEIFC, DFHDMPCA
AFCT • AFCV

automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

If an offsite restart is being performed, retry the transaction after RLS recovery has been completed when RLS access by user transactions is allowed again.

Module: DFHEIFC, DFHDMPCA

Explanation: The program has made a file control request against a file opened in RLS mode. The SMSVSAM server has been recycled since an earlier RLS request from the same unit of work. The same unit of work cannot issue requests against two different instances of the SMSVSAM server. Note that this abend will occur even if the earlier request was not successful.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Resubmit the transaction.

Module: DFHEIFC, DFHDMPCA

AFCV

Explanation: A request made against a file opened in RLS mode was unable to acquire a record lock. It waited for the lock, but the wait time exceeded the maximum wait time applicable to that request.

System action: The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0164 and messages DFHFC0165 or DFHFC0175 which identify the transactions or Transactional VSAM units of recovery that were immediately in front of this transaction in the queue for the lock. These transactions or Transactional VSAM units of recovery are the owners of the lock unless a chain of requests for the record has accumulated.

User response: Retry the transaction.

If the problem recurs, see messages DFHFC0164 and DFHFC0165 or DFHFC0175 to determine the transaction or Transactional VSAM unit of recovery that is holding the lock. In most cases the problem lies with the lock owner rather than the transaction that has failed.

Examples of reasons why CICS transactions might cause a timeout

• The transaction that holds the lock has a design error. For example
  – A conversational transaction updates a recoverable record and then issues a terminal control read. It does not issue syncpoint (and therefore does not release the lock) until the user has responded to the terminal control read. It might therefore hold the lock for a considerable period.
  – A transaction updates many records in recoverable files before issuing syncpoint. Try to keep the number of updates made within a unit of work small and to issue frequent syncpoints to ensure that locks are released frequently.

• The system in which the lock holder is running is experiencing severe performance degradation. Investigate the reason for the performance degradation.

• There is a deadlock between RLS and another resource manager. For example one transaction might be holding an RLS lock and waiting for a lock on a transient data queue. The transaction that times out might hold the lock on the transient data queue and be waiting for the RLS lock. RLS can detect deadlocks only when all the locks involved in the deadlock are RLS locks. A deadlock such as this can seem to RLS to be a long wait for a lock and is reported as a timeout. Examine the design of the transactions to determine whether resource manager deadlocks can occur.

• It might be possible for RLS deadlocks to be reported as RLS timeouts if VSAM does not perform deadlock detection until after the timeout value for the request
happened. For example, assume that DEADLOCK_DETECTION is specified as (15,4) in SYS1.PARMLIB, member IGDSMSxx. This means that VSAM does not attempt to detect cross-MVS deadlocks until 4 periods of 15 (that is, 60) seconds have elapsed. If DTIMOUT was not active for the transaction and the SIT specified FTIMEOUT=30, the RLS request times out after 30 seconds, before VSAM has attempted to detect cross-MVS deadlocks. Adjust DTIMOUT, FTIMEOUT, and DEADLOCK_DETECTION to avoid such effects.

DFHFC0175 messages identify Transactional VSAM units of recovery owning an RLS lock. If a Transactional VSAM application is the lock owner it should be investigated to determine why it is holding the lock. Some of the above considerations are similar for Transactional VSAM applications.

Module: DFHEIFC, DFHDMPCA

AFCW

Explanation: The program issued a file control request against a file opened in RLS mode. VSAM RLS detected that this request would cause a deadlock. This transaction is abended in order to break the deadlock chain.

System action: The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0166 and message(s) DFHFC0167 or DFHFC0177 which identify the other transactions or Transactional VSAM units of recovery in the deadlock chain.

User response: Retry the transaction.

Examine the logic of all the programs involved in the deadlock chain to determine whether they could be improved to avoid possible sources of deadlock. See the CICS Application Programming Guide for guidance on how to write programs that avoid deadlocks.

Module: DFHEIFC, DFHDMPCA

AFDA

Explanation: An attempt was made to attach a transaction specifying DFHFCQT as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

System action: The transaction is abnormally terminated. CICS processing continues.

User response: Establish why an attempt was made to illegally attach CFQS or CFQR, or why a transaction definition specified DFHFCQT as the program to be given control.

Module: DFHFCQT
**AFDB**

**Explanation:** An attempt was made by CICS to internally attach a transaction specifying DFHFCQT as the program to be given control, and the transaction id was other than CFQS or CFQR.

DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues but it is probable that VSAM RLS data set quiesce support has been lost.

**User response:** Restart CICS. If the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCQT

---

**AFDC**

**Explanation:** CICS system transaction CFQS has failed due to a serious error. An attempt will be made to reattach the transaction. CICS messages should indicate the cause of the error.

CFQS provides support for the initiation of VSAM RLS data set quiesce and unquiesce operations.

**System action:** CFQS is abnormally terminated with a CICS transaction dump. CFQS is reattached and CICS processing continues.

**User response:** Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of CFQS was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCRD

---

**AFDE**

**Explanation:** An attempt was made to attach a transaction specifying DFHFCRD as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCRD is for use by CICS system transaction CSFR. This provides support for error recovery after a failure of the SMSVSAM server.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to illegally attach CSFR, or why a transaction definition specified DFHFCRD as the program to be given control.

**Module:** DFHFCRD

---

**AFDF**

**Explanation:** An attempt was made to attach a transaction specifying DFHFCOR as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCOR is for use by CICS system transaction CFOR. This provides part of the RLS offsite recovery support.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to illegally attach CFOR, or why a transaction definition specified DFHFCOR as the program to be given control.

**Module:** DFHFCOR

---

**AFDG**

**Explanation:** CICS system transaction CFOR has failed due to a serious error. CICS messages should indicate the cause of the error.
DFHFCOR provides part of the RLS offsite recovery support.

This abend indicates that this CICS system has completed its RLS offsite recovery, but an error occurred either in attempting to issue message DFHFC0575D which reports this fact, or in attempting to process the reply to message DFHFC0575D.

**System action:** CFOR is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User response:** If you are using an automated procedure to check for and reply to message DFHFC0575D, then you should shut this CICS down and restart it specifying OFFSITE=YES again. If you are using manual procedures to check for completion of all RLS offsite recovery and to reply to message DFHFC0575D then you can “tick” this CICS off the list of systems which have completed their recovery, but you must ensure that it is not restarted with OFFSITE=NO until all other CICS systems have completed their RLS offsite recovery. Also note that until the system is restarted, RLS access will not be allowed by this system.

**Module:** DFHFCOR

**AFDH**

**Explanation:** VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. VSAM RLS is unable to create any new locks.

This abend code is usually issued from various CICS systems residing within the same sysplex.

**System action:** The transaction which issued the VSAM RLS request is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User response:** Allocate a larger VSAM RLS lock structure and rebuild the RLS structure into the new larger structure. See z/OS MVS Setting Up a Sysplex and z/OS DFSMS Storage Administration Reference for further details on creating RLS lock structures and rebuilding lock structures.

**Module:** DFHEIFC, DFHDMPCA

**AFDI**

**Explanation:** A call to directory domain failed when trying to locate an fct entry.

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User response:** Examine the dump to determine the cause of the error. A system dump can be produced by adding the appropriate dump table entry using the CEMT SET TRDUMPCODE command.

**Module:** DFHFCU

**AGxx abend code**

**AGMA**

**Explanation:** An attempt to initiate the good morning message transaction was made without specifying a termid for it to be displayed.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use the dump to determine how the attempt to start the transaction was made. Ensure that no EXEC CICS STARTs are made for the good morning message transaction where no termid is specified.

**Module:** DFHGMM
### AICA • AICH

#### Alxx abend codes

**AICA**

**Explanation:** A task has been executing for longer than the runaway time interval (defined by the ICVR operand on the system initialization table macro, DFHSIT) without giving up control. The runaway task condition indicates a possible loop in the application.

**System action:** The task is terminated with an AICA transaction dump.

**User response:** See the CICS Problem Determination Guide for guidance on dealing with loops.

**Module:** DFHSRP

**AICB**

**Explanation:** A RETRIEVE WAIT request has been reissued in system shutdown.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** None

**Module:** DFHICP

**AICC**

**Explanation:** An incorrect response was returned from a timer (TI) domain request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

**AICD**

**Explanation:** An incorrect response was returned from a kernel (KE) domain request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTAJP, DFHICP

**AICE**

**Explanation:** An incorrect response was returned from a dispatcher (DS) domain request (other than AICG).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

**AICF**

**Explanation:** An incorrect response was returned from a transaction manager (TM) domain request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

**AICG**

**Explanation:** A PURGED response was returned from a dispatcher domain (DS) request, with a reason code of TASK_CANCEL. TASK_CANCEL was returned as the transaction had been explicitly cancelled.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Notify your system programmer to determine why the task has been purged.

**Module:** DFHICP

**AICH**

**Explanation:** The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations.

Another possibility is to increase the value of the DTIMOUT option for the transaction.
Module: DFHICP, DFHEIIC

AICJ
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System action: The task is abnormally terminated with a CICS transaction dump.
User response: See the related message produced by the domain that detected the original error.

Module: DFHICP

AICK
Explanation: Module DFHEIIC has issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.
System action: The transaction is abnormally terminated with a transaction dump.
User response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.
Module: DFHEIIC

AICL
Explanation: DFHEIIC detected an invalid function code in the command level parameter list. This is caused either by a storage overwrite or a CICS internal logic error.
System action: The transaction is abnormally terminated with a CICS transaction dump.
User response: If this problem is reproducible, a level 1 trace of the IC and EI components would aid problem determination. Look in the program storage section of the transaction dump and compare argument 0, the exec interface descriptor (EID), for the command being processed with the argument 0 produced by the translator for the same command. Any differences mean that an overwrite of the application program may have occurred. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHICXM

AICQ
Explanation: Module DFHDFST is executing at a terminal which is not permitted.
System action: The transaction is abnormally terminated with a transaction dump.
User response: Determine why this transaction is executing at a terminal.
Module: DFHDFST

AICR
Explanation: A DFHTC write request has failed for IRC. The return codes within TCATPAPR and TCTEIRET should be examined to determine the cause of failure.
AICS • AII4

System action: The CSNC transaction is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRR

AICS

Explanation: Module DFHDFST has encountered an error during Retrieve processing.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Use level 1 trace entries to determine the cause of the failure.

Module: DFHDFST

AICT

Explanation: Module DFHDFST has encountered an error during START processing.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Use level 1 trace entries to determine the cause of the error.

Module: DFHDFST

AIEA

Explanation: An unexpected EXCEPTION response was received from a call to the user (US) domain.

The call was issued during initialization of a transaction that was started without a terminal. The call was made as part of processing to associate the transaction with its intended user. The attempt to associate the intended user with the transaction has failed.

The userid for the intended user of the transaction may not be correctly defined.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Determine why the intended user of the transaction is not correctly defined.

Examine messages produced for the CICS job by the external security manager (ESM). This may require the assistance of a security administrator.

It may be necessary to examine the transaction dump to determine why the external security manager has informed CICS that the user is not correctly defined.

When the user has been correctly defined, consider rerunning the transaction.

Module: DFHIEXM

AIEB

Explanation: The transaction id (CIEP) of the ECI for TCP/IP listener task has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by CICS internal processes.

System action: The transaction is abnormally terminated.

User response: Do not initiate CIEP directly.

Module: DFHIEP

AII1

Explanation: An IIOP Request Receiver transaction (default CIRR) was started invalidly. This transaction can only be initiated internally by CICS.

System action: The transaction is abnormally terminated.

User response: Do not issue this transaction.

Module: DFHIIRRS

AII2

Explanation: The IIOP Request Receiver program DFHIIRR returned an exception which may have been caused by data received from the client.

System action: The transaction is abnormally terminated.

User response: DFHIIRR will have issued an exception trace point and a message and attempted to send a messageError or systemException to the client.

Examine this information to determine why the request receiver rejected the request.

Module: DFHIIRRS

AII3

Explanation: An IIOP Request Receiver task has been purged.

System action: The transaction is abnormally terminated.

User response: None.

Module: DFHIIRRS

AII4

Explanation: The IIOP Request Receiver program DFHIIRR has returned a disaster response due to a call to another CICS program failing.

System action: The transaction is abnormally terminated.

User response: DFHIIRR, or the program it called,
will have issued an exception trace point and a message.

Examine this information to determine why the request receiver failed.

**Module:** DFHIIRRS

### AII5

**Explanation:** The IIOP Request Receiver stub program was invoked from the sockets domain. However the TCPIPIService defined in RDO did not specify a PROTOCOL of IIOP.

**System action:** The transaction is abnormally terminated.

**User response:** Change the TCPIPIService definition to specify PROTOCOL(IIOP).

**Module:** DFHIIRRS

### AIIA

**Explanation:** An error occurred in the IIOP Request Processor which prevented it from sending a reply to the Request Receiver.

**System action:** The transaction is abnormally terminated.

**User response:** The Request Processor will have issued an exception trace and a message.

Examine this information to determine why the Request Processor failed.

**Module:** com.ibm.cics.iop.RequestProcessor

### AIID

**Explanation:** The IIOP Request Processor attempted to use a CorbaServer that has been disabled or failed to initialize.

**System action:** The transaction is abnormally terminated.

**User response:** Determine why the CorbaServer has been disabled or failed to initialize.

**Module:** com.ibm.cics.iop.RequestProcessor

### AIIIP

**Explanation:** An EJB was running in an OTS transaction and the timeout for this transaction was exceeded.

**System action:** The transaction is abnormally terminated.

**User response:** Check that an appropriate value has been set for the OTS timeout.

**Module:** com.ibm.cics.iop.RequestProcessor

### AIIIT

**Explanation:** The IIOP Request Processor timed out waiting for a request from a Request Receiver. It received a timed out notification from the RZ domain in response to a listen on the RequestStream of which it is the target.

Reasons for this problem include:
- the RTIMOUT value for this RequestProcessor transaction is too low.
- the client program has failed to send a further method request when one is expected by a transactional object.
- a CICS failure or logic error may have occurred.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See any related diagnostic material and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** com.ibm.cics.iop.RequestProcessor

### AINA

**Explanation:** An application program has issued an EXEC CICS LINK command to the indoubt testing tool program DFHINDT but has failed to pass a commarea containing the request to be executed. Valid requests are ON, OFF, RESYNC COMMIT or RESYNC BACKOUT.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program so that it passes a commarea to DFHINDT containing a valid request for DFHINDT.

**Module:** DFHINDT

### AINB

**Explanation:** An application program has issued an EXEC CICS LINK command to the indoubt testing tool program DFHINDT passing a commarea that did not contain a valid request to be executed. Valid requests are ON, OFF, RESYNC COMMIT or RESYNC BACKOUT.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the application program so that it passes a commarea to DFHINDT containing a valid request for DFHINDT.

**Module:** DFHINDT

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AINC

**Explanation:** The indoubt testing tool issued a EXEC CICS INQUIRE EXITPROGRAM command to inquire on the status of the indoubt testing tool task related user exit program DFHINTRU, and the command failed with a NOTAUTH response.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** The indoubt testing tool can be run under transaction CIND, under a user transaction where the program EXEC CICS LINKs to DFHINDT, or under a transaction where the program EXEC CICS LINKs to DFHINDAP. If command security checking is active for the transaction (CMDSEC=YES), check that the user has read access to resource EXITPROGRAM. If resource security checking is active for the transaction (RESSEC=YES), check that the user has read access to resource DFHINTRU.

**Module:** DFHINDT, DFHINDAP

AIND

**Explanation:** The indoubt testing tool issued a EXEC CICS INQUIRE EXITPROGRAM command to inquire on the status of the indoubt testing tool task related user exit program DFHINTRU, and the command failed with an unexpected response.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHINDT, DFHINDAP

AINE

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNEERROR, or PURGED) has occurred on an START_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHINDT

AINH

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNEERROR, or PURGED) has occurred on an END_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHINDT
AINI

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an INQUIRE_UOW command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT

AINJ

Explanation: An EXCEPTION response with an unexpected reason occurred on an INITIATE_RECOVERY call issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT

AINL

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_RECOVERY_STATUS command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT

AINM

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an TERMINATE_RECOVERY command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT

AINE

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK command issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT
AINO • AIPB

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINTRU

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**AINO**

**Explanation:** The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with a NOTAUTH response.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** When the indoubt testing tool is active, the task related user exit DFHINTRU is invoked whenever a CICS transaction is started. For all transactions for which command security checking is active, ensure that the user has read access to resource TRANSACTION. If started transaction resource security checking is specified, for all transactions for which resource security checking is active, ensure that the user has read access to the transaction name in the specified RACF resource class.

For more information on command security and resource security see the *CICS RACF Security Guide*.

**Module:** DFHINTRU

---

**AINP**

**Explanation:** The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with an unexpected response.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINTRU

---

**AINQ**

**Explanation:** The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TASK command to inquire on the current task to obtain the unit of work ID to include in message DFHIN1009. The command failed with a NOTAUTH response.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINTRU

---

**AIPA**

**Explanation:** IP interconnectivity program DFHISCOP has been initiated invalidly, probably by entering a transaction id that refers to it, for example CISC or CISS, at a terminal. This program must only be initiated by CICS internal processes.

**System action:** The task is abnormally terminated.

**User response:** Do not initiate CISC or CISS directly.

**Module:** DFHISCOP

---

**AIPB**

**Explanation:** IP interconnectivity receiver program DFHISRRP has been initiated invalidly, probably by entering a transaction id that refers to it, for example CISR, at a terminal. This program must only be initiated by CICS internal processes.

**System action:** The task is abnormally terminated.

**User response:** Do not initiate CISR directly.
Module: DFHISRRP

AIPC

Explanation: IP interconnectivity error and message program DFHISEMP has been initiated invalidly, probably by entering a transaction id that refers to it, for example CISE, at a terminal. This program must only be initiated by CICS internal processes.

System action: The task is abnormally terminated.

User response: Do not initiate CISE directly.

Module: DFHISEMP

AIPD

Explanation: IP interconnectivity program DFHISCOP has been initiated with invalid attach parameters by CICS internal processes. This could be the result of a configuration error or a storage overwrite.

DFHISCOP should be defined as the initial program for the IS domain connectivity transactions; these are CISC and the transactions for TCPIPSERVICEs with protocol IPIC, CISS by default. This error could occur if DFHISCOP is defined as the initial program for some other CICS internal transaction.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that DFHISCOP is correctly defined.

If necessary, examine the dump and any exception trace entries to determine why the attach parameters are missing or invalid.

Module: DFHISCOP

AIPF

Explanation: IP interconnectivity program DFHISCOP received an PURGED response from a call to the intersystems communication (IS) domain to acquire or release an IPCONN.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System action: The task is abnormally terminated with a transaction dump.

User response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHISCOP

AIPG

Explanation: IP interconnectivity long-running request/response receiver program received an INVALID, DISASTER, or EXCEPTION response from its PROCESS_INPUT call to the intersystems communication (IS) domain.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System action: The task is abnormally terminated with a transaction dump.

User response: See the related message from the domain that detected the original error and examine the dump and any exception trace entries for further information if necessary.

Module: DFHISRRP

AIPH

Explanation: IP interconnectivity long-running error and message program received an INVALID, DISASTER, or EXCEPTION response from its PROCESS_ERROR call to the intersystems communication (IS) domain.
The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** See the related message from the domain that detected the original error and examine the dump and any exception trace entries for further information if necessary.

**Module:** DFHISEMP

---

**Explanation:** IP interconnectivity program DFHISREU or DFHISREX has been initiated invalidly, probably by entering the transaction ID that refers to it, CISU or CISX, at a terminal. This program must only be initiated by CICS internal processes.

**System action:** The task is abnormally terminated.

**User response:** Do not initiate CISU or CISX directly.

**Module:** DFHISREU, DFHISREX

---

**Explanation:** The IS attach client module DFHISXM received an INVALID, DISASTER, or unexpected EXCEPTION response from its INITIALIZE_RECEIVER call to module DFHISIS.

The call was issued during initialization of a transaction that was started by a transaction attach message received on an IPIC connection. The attempt to associate the intended user with the transaction has failed. The userid for the intended user of the transaction may not be correctly defined.

Security attributes defined for the IPCONN may not be consistent with the security parameters received in the transaction attach message.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Examine the dump and any exception trace entries for further information if necessary.

**Module:** DFHISXM

---

**Explanation:** The IS attach client module DFHISXM received a PURGED response from its call to another module.

The call was issued during initialization of a transaction that was started by a transaction attach message received on an IPIC connection. The ISSB representing the IPIC receive session allocated to this transaction has been flagged for abend following an error on the IPCONN or purge request from the initiating system.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Look for related messages reported in the error log. Examine the dump and any exception trace entries for further information if necessary.

**Module:** DFHISXM

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**Explanation:** The IS attach client module DFHISXM received an INVALID, DISASTER, or unexpected EXCEPTION response from its call to another module.

The call was issued during initialization of a transaction that was started by a transaction attach message received on an IPIC connection. The attempt to initialize the transaction has failed. The input message received may not be in the expected format.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Examine the dump and any exception trace entries for further information if necessary.

**Module:** DFHISXM

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**Explanation:** The transaction was connected to another transaction in another CICS system via an IPIC link. This other transaction has abnormally terminated.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the cause of the abend in the connected transaction.

**Module:** DFHISIS

---

**Explanation:** IP interconnectivity program DFHISLQP has been initiated invalidly, probably by entering a transaction ID that refers to it, CISQ, at a terminal. This program must be initiated only by CICS internal processes.
System action: The task is abnormally terminated.
User response: Do not initiate CISQ directly.
Module: DFHISLQP

AIPO
Explanation: IP interconnectivity program DFHISLQP has been initiated with invalid attach parameters by CICS internal processes. This could be the result of a configuration error or a storage overwrite.
DFHISLQP should be defined as the initial program for the IS domain connectivity transaction CISQ. This error could occur if DFHISLQP is defined as the initial program for some other CICS internal transaction.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check that DFHISLQP is correctly defined.
If necessary, examine the dump and any exception trace entries to determine why the attach parameters are missing or invalid.
Module: DFHISLQP

AIPO
Explanation: IP interconnectivity program DFHISLQP received an INVALID, DISASTER, or EXCEPTION response from a call to the intersystems communication (IS) domain to process requests that are locally queued for an IPCONN.
The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.
System action: The task is abnormally terminated with a transaction dump.
User response: See the related message from the domain that detected the original error and examine the dump and any exception trace entries for further information if necessary.
Module: DFHISLQP

AIPO
Explanation: IP interconnectivity program DFHISLQP received an PURGED response from a call to the intersystems communication (IS) domain to acquire or release an IPCONN.
The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.
System action: The task is abnormally terminated with a transaction dump.
User response: Investigate why the task was purged.
This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.
If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.
If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.
Module: DFHISLQP

AIPO
Explanation: For CICS 4.1 and later, IPCONN names that are longer than four characters are not supported in transaction routing between CICS regions.
System action: The task is abnormally ended with a transaction dump.
User response: Correct the IPCONN names so that they are not longer than four characters if used in transaction routing between CICS regions.
Module: DFHISXM

AIS1
Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQ command was issued.
This command was issued when enqueueing work for the IRC control task (CSNC) during IRC initialization.
System action: If IRC is being initialized during CICS initialization (as a result of IRCSTRT being specified in the DFHSIT or override parameters), then CICS is abnormally terminated.
If IRC is being initialized during the execution of a CEMT SET IRC OPEN command, then the CEMT transaction is abnormally terminated.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHCRSP

AIS2
Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=WAIT_Q command was issued.
This command was issued when waiting for more IRC work to process.

**System action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

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**AIS3**

**Explanation:** An attempt to issue a STCK (Store Clock) instruction failed.

**System action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User response:** Repair or enable the system clock.

**Module:** DFHCRNP

---

**AIS4**

**Explanation:** An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command. This command was issued when enqueueing work to the IRC ‘delayed work’ queue.

**System action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

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**AIS5**

**Explanation:** An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command was issued. This command was issued when enqueueing work to the IRC ‘immediate work’ queue.

**System action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMIRS

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**AIS6**

**Explanation:** An INVALID, DISASTER or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHMIRS

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**AIS7**

**Explanation:** A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator , or as a result of a deadlock timeout.

**Module:** DFHMIRS

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**AIS8**

**Explanation:** An internal logic error has been detected in module DFHMIRS.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMIRS
AIS9

Explanation: The mirror program has detected that a DPL server program has returned in an invalid state following the completion of the LINK command. The server program or a program it linked to has initiated a synclevel 2 conversation with another program which in turn has issued a syncpoint. The server program has not responded to the syncpoint request which is still outstanding when control returns to the mirror program.

The mirror program only issues this abend code if the LINK request did not specify SYNCONRETURN.

System action: The task is abnormally terminated with a transaction dump.

User response: Correct the design of the DTP application or applications initiated by the server program. If the SYNCONRETURN option is not specified on the LINK request, only the client program should initiate the syncpoint. If it is necessary to issue syncpoint requests from the DTP applications, consider using the SYNCONRETURN option on the LINK request. See the CICS Intercommunication Guide for further details of the LINK command and its options.

Module: DFHMIRS

AISB

Explanation: The mirror transaction (CSMI) has detected errors in the data passed to it from the attaching transaction.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: The invalid input will be visible in the transaction dump. This error is likely to be caused by some mismatch between the two systems. A typical example might be a DL/I request received on a system generated without DL/I.

Module: DFHMIRS

AISC

Explanation: The mirror transaction (CSMI) has not received a TIOA from the terminal.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Use the trace in the dump and the dumped TCTTE to analyze the problem further.

Module: DFHMIRS

AISD

Explanation: The mirror program executed the request and received a nonzero return code as a result. The data flow control state of the intersystem link being used was such that this information could not be returned normally.

System action: The mirror task is abnormally terminated with a CICS transaction dump.

User response: The transaction dump provided will provide information required to analyze the source of the nonzero return code at its point of origin.

Module: DFHMIRS

AISF

Explanation: The CICS mirror program DFHMIRS has been attached in an unsupported manner. The principal facility for the mirror transaction is defined as APPC, however the conversation is unmapped.

System action: CICS abnormally terminates the transaction with a transaction dump.

User response: There is a problem with the system that caused the mirror transaction to be attached. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMIRS

AISG

Explanation: The mirror program executed the request and produced the reply. This would not be sent because the data flow control state of the intersystem link was such that this could not be done.

System action: The task (CSMI) is abnormally terminated with a CICS transaction dump.

User response: Use the transaction dump provided to analyze the problem.

Module: DFHMIRS
**AISH**

**Explanation:** The new connection task, CSNC, has been invoked in an incorrect manner (for example, from a terminal or via an EXEC CICS START request).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** None.

**Module:** DFHCRNP

---

**AISI**

**Explanation:** A function shipping request was passed by DFHEIP to DFHISP. This was found to be invalid by the transformer, DFHXFP.

**System action:** The transaction issuing the function shipping request is abnormally terminated with a CICS transaction dump.

**User response:** The transaction dump will provide information to further analyze the problem.

**Module:** DFHISP

---

**AISJ**

**Explanation:** The IRC control task CSNC has abended because the attempt to LINK to DFHCRR failed.

**System action:** CSNC is abnormally terminated with a dump. The IRC facility is disabled.

**User response:** Ensure that program DFHCRR is available.

**Module:** DFHCRNP

---

**AISK**

**Explanation:** The user transaction has been abnormally terminated during the execution of a function shipping request on an APPC session. This has happened because the mirror transaction on the remote system has abnormally terminated, and caused a request for syncpoint rollback to be sent across the session. CICS abends the user transaction in these circumstances so that function shipping remains transparent to the transaction.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the log on the mirror system to determine the reason for the original abend of the mirror task.

**Module:** DFHISP

---

**AISL**

**Explanation:** The LU services manager transaction has been started directly from a user terminal. This is not permitted.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** None. The LU services manager transaction must be started internally by CICS.

**Module:** DFHLUP, DFHCLS3, DFHCLS4, DFHZLS1

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**AISN**

**Explanation:** Task CSNC attempted to acquire a SUSPEND TOKEN to enable it to suspend itself until further work arrives. The attempt failed.

**System action:** CSNC is abnormally terminated with a dump. The IRC facility is disabled.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

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**AISO**

**Explanation:** A mirror transaction (transaction identifiers CSHR, CSM1, CSM2, CSM3, CSM5, or CSMI) has been invoked with an invalid principal facility. The mirror transaction executes with an MRO session, an LU6.1 session or an APPC session as its principal facility.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Do not attempt to invoke the mirror transaction by entering the transaction identifier at a terminal.

**Module:** DFHMIRS

---

**AISP**

**Explanation:** Task CSNC attempted to suspend itself, awaiting further work. The attempt failed.

**System action:** CSNC is abnormally terminated with a dump. The IRC facility is disabled.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP
AISQ

**Explanation:** An EXEC CICS command has been issued against a CPI Communications session. A CPI Communications session is one that has a CPI-Communications Control Block (CPC) associated with it.

**System action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User response:** Do not mix EXEC commands with CPI Communications calls on the same end of a conversation.

**Module:** DFHMIRS

AISR

**Explanation:** The CICS Inter-Region Session Recovery Program (DFHCRR) has been invoked in an incorrect manner, for example, from a terminal.

**System action:** The program DFHCRR is abnormally terminated with a CICS transaction dump.

**User response:** None.

**Module:** DFHCRR

AISR

**Explanation:** A security violation has occurred while CICS was attempting to start a conversation with a remote APPC system. The security access level of the requestor was insufficient to access the transaction on the connected APPC system. Depending on the nature of the request and the way security has been set up, the requestor with an insufficient access level can be the local CICS system, the requesting transaction, or the terminal user. DTP programs do not abend with code AISR after a security failure in the remote region.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** First, verify that the access was correctly denied. Then, if required, change the access level.

**Module:** DFHZARM

AIST

**Explanation:** An unexpected return code has been returned after a DFHTC TYPE=LOCATE command.

**System action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User response:** The trace in the system dump should be used to analyze the problem further.

**Module:** DFHMIRS

AISU

**Explanation:** An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHMIRS

AISV

**Explanation:** A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHMIRS

AISW

**Explanation:** An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.
**AISX • AITC**

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHCRSP

**AISX**

**Explanation:** A PURGED condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHCRSP

**AISY**

**Explanation:** The LU services manager transaction has been started, but invalid parameters have been detected.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** See message DFHZC4921 for further guidance.

**Module:** DFHLUP

**AISZ**

**Explanation:** DFHMXP has received an unexpected reply when committing START PROTECT NOCHECK requests sent on a LUTYPE6.2 synclevel 1 conversation.

**System action:** The task is abnormally terminated.

**User response:** Determine what happened to transaction CVMI in the partner system. If the START PROTECT NOCHECK requests had been committed, no further action is necessary. If they had not been committed, user-defined action is required to recover from the error.

**Module:** DFHMXP

**AITA**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to initialize the recovery status of an IRC session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error.

**System action:** The CSNC task is abnormally terminated with a CICS transaction dump.

**User response:** See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRNP

**AITB**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHISP DFHMXP

**AITC**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).
This failure is either the result of a task purge, or a CICS logic error.

**System action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User response:** See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMIRS

**AITD**

**Explanation:** The mirror program has received an unexpected response from the RX domain.

There are several reasons why this error may occur:
- A request received from an EXCI client is inconsistent with an earlier request in the same Unit of Work.
- CICS has received an unexpected response from the Recoverable Resource Management Services component of MVS.
- There has been an internal error in the RX domain.

**System action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User response:** Use the exception trace provided by the RX domain to determine the reason for the failure. If the error is caused by an inconsistent request from an EXCI client, there may be an error in the client program.

In the other cases, you might need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMIRS

**AITG**

**Explanation:** A transaction has executed a transactional EXCI request from a batch region, and both of the following events has occurred:
- A further transactional EXCI request from the batch region.
- A syncpoint initiated by Resource Recovery Management Services (RRMS).

**System action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User response:** Determine why both events have occurred. This situation may arise when an EXCI client times out on a DPL request that CICS is not ready to receive and then proceeds to take a syncpoint. If this is not the case, you may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMIRS
Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMIRS

AITH

Explanation: A mirror transaction processing an ECI request from a TCP/IP connected client has failed while trying to receive data from, or send data to, a client. This could be a read time out, or a more serious error in the flows that prevented CICS from correctly processing the data.

System action: The mirror task is abnormally terminated with a CICS transaction dump.

User response: If the error was a time out, determine why the client has not continued with the extended ECI conversation. Other errors will have associated IE domain messages to aid in problem determination.

Module: DFHMIRS

AITI

Explanation: A mirror transaction processing a START CHANNEL or LINK CHANNEL request has failed while trying to receive data from, or send data to, a connected CICS system. Because a channel may include a considerable amount of data, it may require many calls to terminal control to transmit channel data. DFHMIRS calls program DFHAPCR to perform all the inter-system transmission of channel data. Terminal control has detected an error in one of these calls. The error could be a read time out, or a more serious error in the flows that prevented CICS from correctly processing the data.

System action: The mirror task is abnormally terminated with a CICS transaction dump.

User response: If the error was a time out, determine why the other end has not continued with the conversation. Other errors will have associated terminal control error and sense information.

Module: DFHMIRS

AITJ

Explanation: A mirror transaction processing a request from a client connected using IP interconnectivity has failed while trying to receive data from, or send data to, a client. This could be a read time out, or a more serious error in the flows that prevented CICS from correctly processing the data.

System action: The mirror task is abnormally terminated with a CICS transaction dump.

User response: If the error was a time out, determine why the client has not continued with the conversation.

Module: DFHMIRS

AITK

Explanation: The ISCINVREQ condition has been raised. This can happen when the resource proves to be on yet another remote system, that is, when daisy-chaining is active.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that daisy-chaining of requests is intended and that all relevant intersystem links are in service.

Module: DFHMIRS

AITL

Explanation: The IPIC client sent a CCSID that was not recognized.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that the client system is using one of the client code pages supported by CICS TS.

Module: DFHMIRS

AITM

Explanation: A command has been received by the mirror program to call itself.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Correct the API command in the client system program so that it does not request an EXEC CICS LINK PROGRAM to run that specifies the name of the mirror program.

Module: DFHMIRS

AITN

Explanation: An attempt to change the TCB DFHMIRS was running on has failed.

System action: The transaction is terminated.

User response: Contact your IBM support center.

Module: DFHMIRS
**AJxx abend codes**

**AJ01**

Explanation: The main method of the Java environment setup class, Wrapper, has been invoked without an argument. Wrapper main expects the class name of the user's main to be passed as the first argument.

The callUserClass method of Wrapper detects this, sets return code INVALID_ARGUMENTS and invokes native method SetAbend to abend the task.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCICS

**AJ02**

Explanation: A CICS AbendError has been caught by the Java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code ABEND_RECEIVED and invokes native method SetAbend to abend the task.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See related messages and JVM error output in stderr to determine the reason for the original abend.

Module: DFJCICS

**AJ03**

Explanation: A CicsConditionException has been caught by the Java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code CONDITION_RECEIVED and invokes native method SetAbendForCondition to abend the task. The appropriate default abend code for the condition should be issued but, if for some reason this is not possible, an AJ03 abend may be issued.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See related messages and JVM error output in stderr to determine the reason for the original CicsConditionException.

Module: DFJCICS

**AJ04**

Explanation: An unexpected error has been caught by the Java environment setup class, Wrapper, attempting to invoke the user class or an unhandled exception has been thrown in the Java environment.

In the first case, the callUserClass method of Wrapper detects this, sets return code UNEXPECTED_EXCEPTION and invokes native method SetAbend to abend the task. In the second case, the JNI code invokes the SetAbend method to abend the task and AJ04 is set as the default abend code.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See related messages and JVM error output in stderr to determine the reason for the original exception.

Module: DFJCICS

**AJ05**

Explanation: An unhandled exception has been caught by the Java environment setup class, Wrapper, as an InvocationTargetException from the user class.

The callUserClass method of Wrapper detects this, sets return code INVOCATION_TARGET_EXCEPTION and invokes native method setAbend to abend the task.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See related messages and JVM error output in stderr to determine the reason for the original exception.

Module: DFJCICS

**AJ07**

Explanation: The Java environment setup class, Wrapper, has been unable to invoke the user's main method. The class whose name was passed as an input parameter to its CallUserClass method was not found.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that CICS has been granted read permission to the target class and the entire HFS directory structure in which the class or Jar file is located.

Module: DFJCICS

**AJ09**

Explanation: The Java environment setup class, Wrapper, has been unable to invoke the user's main method. A public static method, taking either a CommAreaHolder or a String array as input, was not found in the class whose name was passed as an input parameter to the CallUserClass method of Wrapper.
**AJ10 • AJAB**

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that you have provided a main method, with an appropriate method signature, in the specified class. Also check that the target class explicitly uses the 'public' class modifier and that it is stored in a jar file on the JVM's classpath. CICS must have read permission for the jar file.

**Module:** DFJCICS

---

**AJ10**

**Explanation:** The Java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to load the DB2 JDBC classes necessary to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCICS

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**AJ11**

**Explanation:** The Java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to find the DB2 JDBC static method to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCICS

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**AJ12**

**Explanation:** The Java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to invoke the DB2 JDBC static method to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCICS

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**AJ99**

**Explanation:** The Java environment setup class, Wrapper, has detected an AbendException and issued setAbend. The abend code extracted from the AbendException is too long.

**System action:** Task abnormal termination continues with the abend code set to AJ99

**User response:** Correct the abend code String used to create the AbendException.

**Module:** DFJCICS

---

**AJA0**

**Explanation:** The native method SetAbendForCondition has been passed an invalid Resp value by the Wrapper class.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCICS

---

**AJAA**

**Explanation:** The CREA/CREC transaction could not allocate the shared memory it required. The transaction will free all allocated memory and issue this abend.

**System action:** The transaction is terminated.

**User response:** Examine the trace to determine why the GETMAIN failed. If the CICS region was short on storage then take the necessary steps to correct this. If your region was not short on storage you may need help from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHADDRM

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**AJAB**

**Explanation:** The CREA/CREC transaction could not free the shared memory it allocated.

**System action:** The transaction is terminated.

**User response:** Examine the trace to determine why the FREEMAIN failed. You may need help from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHADDRM

---
AJAC

Explanation: The CREA/CREC transaction browses the installed REQUESTMODELs. An attempt to start or continue the browse of the REQUESTMODELs failed with an unexpected return code.

System action: The transaction is terminated.

User response: Examine the trace to determine why the INQUIRE REQUESTMODEL call failed. You may need help from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADDRM

AJAD

Explanation: The CREA/CREC transaction received an unexpected return code from an EXEC CICS call and could not continue.

System action: The transaction is terminated.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADDRM

AJAE

Explanation: The CREA/CREC transaction used the EXEC CICS SEND MAP call to display a BMS map. This call returned an expected return code.

System action: The transaction is terminated.

User response: Examine the trace to determine why the SEND MAP call failed. You may need help from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADDRM

AJAF

Explanation: The CREA/CREC transaction used the EXEC CICS RECEIVE MAP call to receive data from a BMS map. This call returned an expected return code.

System action: The transaction is terminated.

User response: Examine the trace to determine why the RECEIVE MAP call failed. You may need help from IBM to resolve this problem. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADDRM

AJAG

Explanation: The CREA/CREC transaction must be invoked using the transaction ID of 'CREA' or 'CREC'. You are not able to use another transaction ID to invoke DFHADDRM (the program invoked for the CREA/CREC transaction).

System action: The transaction is terminated.

User response: Use CREA or CREC to invoke the CREA/CREC transaction.

Module: DFHADDRM

AJCD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message from the domain that detected the original error.

Module: DFHJCP

AJCE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHJCP
Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message from the domain that detected the original error.

Module: DFHJCP

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message from the domain that detected the original error.

Module: DFHJCP

Explanation: A purge response has been received from either the log manager or or the recovery manager. The domain that detected the original purge condition provides an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations.

Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHJCP

Explanation: The CICS-JVM interface has rejected an attempt to invoke a Java program to run under control of a JVM because a previous JVM for the same CICS task terminated abnormally. The CICS-JVM interface is unable to create a JVM to run the Java program.

This error occurs when the previous JVM was terminated because of a Java program invoking the Java system.exit method and because errors occurred during the subsequent JVM termination. A system.exit invocation causes a forced termination of the JVM and the Language Environment enclave.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Examine why the previous JVM termination failed. Wherever possible avoid the use of system.exit to return from Java programs.

Module: DFHAPLJ

Explanation: Program DFHJSON was called using EXEC CICS LINK, but no channel was provided.

System action: CICS terminates the task with a transaction dump.

User response: Change the application program to pass a channel.

Module: DFHJSON

Explanation: An attempt has been made to run the CICS internal task CSSY as a user transaction.

System action: CICS terminates the task with a transaction dump.

User response: Investigate why the attempt was made to run CSSY as a user transaction.

Module: DFHAPATT

Explanation: A DFHKC WAIT request was issued when the ECB was already marked as waiting.

System action: There is a probable user error. The transaction is abnormally terminated.

Module: DFHAPATT
AKC2

Explanation: A bad response has been received from a dispatcher (DS) domain call.

System action: The transaction is abnormally terminated with a transaction dump and a trace entry.

User response: Examine the trace entry for further information.

Module: DFHXCP

AKC3

Explanation: The task has been purged, probably due to operator action such as a CEMT TASK PURGE command. The task might also have been purged as a result of CICS issuing a purge request.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

Module: DFHXCP, DFHXMAT, DFHXMCL, DFHXMIQ, DFHXMTA

AKC6

Explanation: DFHKC RESUME should always be preceded by DFHKC SUSPEND. If this protocol is violated then the transaction is abnormally terminated with abend code AKC6.

System action: Transaction is abnormally terminated with abend code AKC6.

User response: Examine the trace entry for further information.

Module: DFHXCP

AKC8

Explanation: A bad response has been received from a call to the kernel (KE) domain during the processing of a task purge request.

System action: The transaction is aborted with a transaction dump.

User response: Examine the dump and any exception trace entries for further information.

Module: DFHXCP

AKC9

Explanation: An incorrect response has been received from a call to the enqueue (NQ) domain during the processing of a DFHKC TYPE=ENQ or a DFHKC TYPE=DEQ request.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Examine the dump and any exception trace entries for further information. Since the DFHKC service is only used for internal enqueues, this abend indicates an error in CICS. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXCP

AKCB

Explanation: The CICS transaction manager restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AKCB.

System action: CICS writes a transaction dump for the transaction manager restart task.

CICS sends three messages to the console, one to identify the error detected by the transaction manager restart task, one to say that the task has failed, and one that gives you the option of cancelling CICS or letting it continue. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User response: Use the messages and dumps to find out the cause of the failure.

Module: DFHKCRP

AKCC

Explanation: The CICS transaction manager has abended the transaction because the purge threshold of its TRANCLASS has been reached. This is specified by the PURGETHRESH parameter on CEDA DEFINE TRANCLASS. See the CICS Resource Definition Guide manual for more details of this parameter.

System action: The transaction is abended and messages DFHAC2004 and DFHAC2236 are issued. The transaction dump is suppressed for this abend code.

User response: Resubmit the transaction. The cause of the abend may be a temporary stress condition in the system.

If the problem persists, determine why the TRANCLASS purge threshold has been reached. Ensure that PURGETHRESH has been specified correctly. Also, ensure that the MAXACTIVE value of the TRANCLASS has not been set too low. Transactions attached after the...
MAXACTIVE limit has been reached are immediately queued subject to the PURGETHRESH limit. If PURGETHRESH and MAXACTIVE are set correctly, look for a more general problem which has caused a decrease in the capacity of the system to execute transactions in the TRANCLASS. The decrease might, for example, be caused by a connected CICS region which processes requests for transactions in the TRANCLASS, if this connected region has slowed down. Examine all resources (files, links, storage, and so on) used by the transactions in the TRANCLASS which is reaching the purge threshold and determine why the capacity of the system is reduced.

**Module:** DFHXMAT, DFHXMCL

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**AKCE**

**Explanation:** While CICS transaction manager was recording changes to a transaction or profile definition, a write to the system log failed.

**System action:** CICS terminates the transaction with a transaction dump.

**User response:** Use the dumps to find out why the write to the log failed.

**Module:** DFHKCQ

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**AKCF**

**Explanation:** While CICS transaction manager was recording changes to a profile definition, a write to the catalog failed.

**System action:** CICS terminates the transaction with a transaction dump.

**User response:** Use the dumps to find out why the write to the catalog failed.

**Module:** DFHKCQ

---

**AKCR**

**Explanation:** Transaction manager has received an invalid request code. The last AP F000 trace entry before the program control program (PCP) ABEND TRACE entry (TRACE ID 'F2', request code X'6000) will contain the invalid transaction manager request code in the fifth byte of the first section of the trace.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Determine the cause of the invalid request code and correct the problem.

**Module:** DFHXCP

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**AKCS**

**Explanation:** A deadlock timeout condition has been detected. This condition may occur within a transaction that specifies DTIMOUT to be nonzero on its installed transaction definition. Deadlock timeout occurs when a transaction has been waiting or has been suspended for longer than the time specified in DTIMOUT.

The abend may be driven by a variety of internal CICS events, for example
- A short on storage condition
- A temporary storage shortage
- ENQUEUE
- An ALLOCATE request
- A RETRIEVE WAIT request.

The abend can also occur if CICS stops running for a time, for example while an sdump is taken. This is because deadlock timeout is based on total elapsed time, and not just the time CICS is executing.

**Analysis:** The transaction receiving the AKCS abend must have been suspended or must be waiting for a reason such as a short on storage, enqueued on a lock, a short on temporary storage, a suspend after RETRIEVE WAIT, a suspend after ALLOCATE, or an implicit ALLOCATE within function shipping or terminal sharing support. If none of these apply, the trace might reveal some event that has caused CICS to stop running for a time.

**System action:** The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction dump code AKCS indicates that one should be taken.

**User response:** The transaction should be reexecuted, and the situation causing the SUSPEND to occur may clear itself.

The AKCS abend is to be expected occasionally, unless DTIMOUT is set to zero. No special action is necessary.

**Module:** DFHXCP
input within the specified time.

**Module:** DFHXCP

---

**AKCV**

**Explanation:** A bad return code was passed as a result of the resume of a task suspended by ICP.

**System action:** The transaction is terminated with a dump.

**User response:** Check the response from the resume in the trace to determine the cause of the error.

**Module:** DFHALP

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**AKEA**

**Explanation:** A program check has been detected by the kernel (KE) domain.

**System action:** If an application is in control, the ASRA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User response:** Look at the kernel domain section of the system dump to determine where the program check has occurred.

**Module:** DFHKESTX

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**AKEB**

**Explanation:** An operating system abend has been detected by the kernel (KE) domain.

**System action:** If an application is in control, the ASRB abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User response:** Check the console for any MVS messages that may have caused this abend.

Look at the kernel domain section of the system dump to determine where the abend has occurred.

**Module:** DFHKEEDA

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**AKEF**

**Explanation:** The kernel (KE) domain has detected an error while processing a domain call. The error may have been caused by a domain gate that was not yet active during initialization.

**System action:** If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User response:** See any related messages from the kernel domain.

Look at the kernel domain section of the system dump to determine where the error has occurred. Check that a call has not been made to a domain gate that has not yet been made active. Check that the caller has not specified KERNERROR(YES).

If the abend occurs during CICS system initialization, ensure that the utility (DFHCCUTL) used to initialize the local catalog (DFHLCD) is at the correct level. A sample job is provided in SDFHINST(DFHDEFDS).

**Module:** DFHKERKE

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**AKEG**

**Explanation:** The kernel (KE) domain issued an SM GETMAIN for kernel stack storage, but the GETMAIN request failed.

**System action:** If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User response:** Look at the kernel domain section of
the system dump to determine why sufficient storage was not available.

If the short-on-storage condition persists, consider increasing the size limit of the CICS DSA. You can vary the DSA dynamically using the DSALIM parameter on the CEMT master terminal command.

**Module:** DFHKESGM

**AKEH**

**Explanation:** The transaction was purged while running outside the control of CICS.

**System action:** CICS terminates the transaction abnormally.

The EXEC CICS HANDLE ABEND command can not handle this abend.

**User response:** Investigate the reason why the transaction was purged.

Possible reasons are

- An operator purged the transaction
- The transaction was purged because DTIMEOUT has been exceeded
- Another transaction purged the transaction

**Module:** DFHKESGM

**User response:** See the CICS Problem Determination Guide for guidance on dealing with loops.

**Module:** DFHKESTX

**AKEX**

**Explanation:** A program check has been detected by the kernel (KE) domain while executing under a TCB that is not enabled for EXEC CICS commands. This is probably because of an attempt to execute a CICS command in an environment where this is not possible.

**System action:** If an application is in control, the ASRA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User response:** Look at the kernel domain section of the system dump to determine where the program check has occurred.

**Module:** DFHKESTX

**AKEZ**

**Explanation:** A user attach has failed because there are insufficient kernel tasks available. This indicates an internal logic error.

**System action:** Message DFHKE0001 is issued and a system dump is taken. The attach of the user transaction fails.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHKETA

**AKKA**

**Explanation:** A kill request has been actioned when a transaction was not protected from purge or force purge. The transaction is either in a dispatcher suspend, the deferred abend processor is in control, the application is calling CICS, CICS is returning to the application, or the application is outside of the control of CICS.

**System action:** If an application is in control, the abend is presented to the application. Otherwise, the functional recovery module of the CICS module in control at the time is given control. This recovery routine produces diagnostics and may terminate CICS. This abend code cannot be handled by the application.

**User response:** Notify the system programmer to determine why the task has been killed.

**Module:** DFHDSSR, DFHKEEDA, DFHEIP, DFHKEDS
AKKB

Explanation: A kill request has been actioned when a transaction was not protected from forcepurge but was protected from purge. The transaction is either in a dispatcher suspend, the deferred abend processor is in control, the application is calling CICS, CICS is returning to the application, or the application is outside of the control of CICS.

System action: If an application is in control, the abend is presented to the application. Otherwise, the functional recovery module of the CICS module in control at the time is given control. This recovery routine produces diagnostics and might terminate CICS. This abend code cannot be handled by the application.

User response: Notify the system programmer to determine why the task has been killed.

Module: DFHDSSR, DFHKEEDA, DFHEIP, DFHKEDS

AKKC

Explanation: A kill request has been actioned when a transaction was protected from force purge. The transaction is either in a dispatcher suspend, the deferred abend processor is in control, the application is calling CICS, CICS is returning to the application, or the application is outside of the control of CICS.

System action: If an application is in control, the abend is presented to the application. Otherwise, the functional recovery module of the CICS module in control at the time is given control. This recovery routine produces diagnostics and might terminate CICS. This abend code cannot be handled by the application.

User response: Notify the system programmer to determine why the task has been killed.

Module: DFHDSSR, DFHKEEDA, DFHEIP, DFHKEDS

AKKD

Explanation: A CEKL purge has been requested. Abend processing has started for the task that is subject to the deferred abend request.

System action: The task is abended with abend code AKKD.

User response: Notify the system programmer to determine why the task has been purged.

Module: DFHKEEDA

AKKH

Explanation: The kernel (KE) domain has detected a kill request from the runaway exit program. The task was not protected from runaway when the request was actioned.

System action: If an application is in control, the abend is presented to the application. Otherwise, the functional recovery module of the CICS module in control at the time is given control. This recovery routine produces diagnostics and might terminate CICS. This abend code cannot be handled by the application.

User response: Notify the system programmer to determine why the task has been killed.

Module: DFHKESTX, DFHKERRU, DFHKEKIL

AKKG

Explanation: The kernel (KE) domain has detected a kill request from the runaway exit program. The task was protected from runaway when the request was actioned.

System action: If an application is in control, the abend is presented to the application. Otherwise, the functional recovery module of the CICS module in control at the time is given control. This recovery routine produces diagnostics and might terminate CICS. This abend code cannot be handled by the application.

User response: Notify the system programmer to determine why the task has been killed.

Module: DFHKESTX, DFHKERRU, DFHKEKIL

AKSE

Explanation: A user has generated an addition to the keyword table, but code has not been added to process this keyword.

System action: The transaction is abnormally terminated and a dump is taken.

User response: Add code to process the keyword.

Module: DFH99KC
ALxx abend codes

ALGA
Explanation: An error has occurred obtaining a lock within the log manager domain.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGB
Explanation: An error has occurred releasing a lock within the log manager domain.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGC
Explanation: A disaster response has been detected when processing the building block code used by the log manager.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGD
Explanation: A disaster response has been detected when processing the building block storage interface code used by the log manager.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGE
Explanation: An unexpected error has occurred while the log manager was attempting to find a journal model definition.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGJN

ALGF
Explanation: An unexpected error occurred when the log manager was attempting an enqueue or dequeue operation.
System action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.
User response: See the description of message DFHLG0002 for further guidance.
Module: DFHLGGL, DFHLGJN, DFHLGST

ALGG
Explanation: Transaction CSQC has been issued from a terminal. This is not permitted. The transaction can only be started internally by CICS.
System action: The transaction is abnormally terminated.
User response: Do not try to invoke CSQC from a terminal.
Module: DFHLGQC

ALIC
Explanation: CICS has issued a GETMAIN request during the initialization phase for an application program in order to obtain run time execution storage for Language Environment above the 31-bit line. However insufficient storage was available to satisfy the request.
System action: CICS abnormally terminates the task. CICS processing continues.
User response: See the related message from the
ALID

Explanation: CICS has issued a GETMAIN request during the initialization phase for an application program in order to obtain run time execution storage for Language Environment below the 31-bit line. However insufficient storage was available to satisfy the request.

System action: CICS abnormally terminates the task. CICS processing continues.

User response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIF

Explanation: CICS has issued a GETMAIN request during the initialization phase for an application program in order to obtain thread storage for Language Environment. However insufficient storage was available to satisfy the request.

System action: CICS abnormally terminates the task. CICS processing continues.

User response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIG

Explanation: CICS has been unable to determine the language of the user application program about to be executed. Either the program was compiled against an old level of compiler that is no longer supported by CICS, or the language of the program is not supported by CICS.

System action: CICS abnormally terminates the task and disables the program. CICS processing continues.

User response: Ensure that the program to be run is written in one of the languages and compiled against a level of compiler supported by CICS. See the CICS Application Programming Guide for details of the languages and compilers currently supported.

Module: DFHAPLI

ALIJ

Explanation: CICS has determined that a C or C++ program compiled with the XPLINK option is about to be executed but the program is defined with attribute CONCURRENCY(QUASIRENT). XPLINK programs execute on open TCBs and cannot rely on quasi-reentrancy. Code your programs to threadsafe standards and define to CICS with CONCURRENCY(REQUIRED).

System action: CICS abnormally terminates the task and disables the program. CICS processing continues.

User response: Ensure that the program is coded to threadsafe standards and defined as CONCURRENCY(REQUIRED), or recompile the program without the XPLINK option.

A program can be defined as threadsafe by using
standard CICS or CPSM resource definition facilities, using program autoinstall or a Language Environment runtime option. The runtime option can be specified in the source of the program by using a #pragma runopts(ENVAR(CICSVAR=REQUIRED)) statement. Alternatively, you can specify ENVAR(‘CICSVAR=REQUIRED’) in a CEEUOPT CSECT which is then linked with the program.

**ALIK**

**Explanation:** CICS has determined that an OS/VS COBOL program is about to be executed. However CICS no longer supports such programs.

**System action:** CICS abnormally terminates the task and disables the program. CICS processing continues.

**User response:** Ensure that the program is recompiled against a level of COBOL compiler supported by CICS. See the CICS Application Programming Guide for details of the languages and compilers currently supported.

**Module:** DFHAPLI

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**ALI2**

**Explanation:** CICS has issued an add_entry request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALI3**

**Explanation:** CICS has issued a call_main request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALI4**

**Explanation:** CICS has issued a remove_entry request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALI5**

**Explanation:** CICS has issued a terminate request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALI1**

**Explanation:** CICS has issued an initialize request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX, DFHAPLJ, DFHAPLX

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**ALX2**

**Explanation:** CICS has issued an add_entry request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALX3**

**Explanation:** CICS has issued a call_main request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALX4**

**Explanation:** CICS has issued a remove_entry request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the return code from Language Environment. Consult the Language Environment Programming Guide manual for an explanation of the return code.

**Module:** DFHAPLX

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**ALX5**

**Explanation:** CICS has issued a terminate request to the Language Environment preinitialized services system (CEEPIPI). However, CEEPIPI has returned an error condition. This error strongly indicates an internal failure in Language Environment.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** The full trace entry will indicate the

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**AMxx abend codes**

**AMI1**

**Explanation:** When the mirror task is resumed, a bad response other than a time out or a cancellation was given by the dispatcher.

**System action:** The mirror transaction is abnormally terminated with a transaction dump.

**User response:** Use the dump and the trace to determine the cause of the error.

**Module:** DFHAPLX

**AMNA**

**Explanation:** An exception response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA1 field in the user parameter contains an invalid address.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why the DATA1 value passed to the monitoring (MN) domain was invalid.

**Module:** DFHMIRS

**AMNB**

**Explanation:** An exception response has been received from the monitoring (MN) domain whilst processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA2 field in the user parameter contains invalid data.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use the transaction dump to determine why the DATA2 value passed to the monitoring (MN) domain was invalid.

**Module:** DFHCMP

**AMNZ**

**Explanation:** An unexpected error response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**Module:** DFHCMP

**AMQA**

**Explanation:** DFHMQCON had enabled DFHMQTRU with a global work area smaller than that needed by DFHMQTRU. This could be due to a mismatch of version level between DFHMQCON and DFHMQTRU.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check that the versions of DFHMQCON and DFHMQTRU are compatible. If you are unable to solve the problem, contact your IBM support center.

**Module:** DFHMQTRU

**AMQB**

**Explanation:** DFHMQCON had enabled DFHMQTRU with a task local work area smaller than that needed by DFHMQTRU. This could be due to a mismatch of version level between DFHMQCON and DFHMQTRU.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Check that the versions of DFHMQCON and DFHMQTRU are compatible. If you are unable to solve the problem, contact your IBM support center.

**Module:** DFHMQTRU

**AMQC**

**Explanation:** Unrecognizable WebSphere® MQ API call. All supported API calls are documented in the WebSphere MQ Application Programming Reference manual.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** See the WebSphere MQ Application Programming Reference manual for details of the supported WebSphere MQ API.

**Module:** DFHMQTRU
**AMQD**

**Explanation:** Unrecognizable RMI API call. The CICS-MQ task related user exit (TRUE) was invoked with an unrecognizable request type.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Contact your IBM support center.

**Module:** DFHMQTRU

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**AMQE**

**Explanation:** An attempt to EXEC CICS LOAD the data conversion service module CSQAVICM was unsuccessful.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that the WebSphere MQ SCSQAUTH library has been specified in the CICS DFHRPL concentration and that CSQAVICM is defined as a program to CICS. A definition for CSQAVICM is supplied in the DFHMQ CSD group.

**Module:** DFHMQCON

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**AMQF**

**Explanation:** An internal logic error has been detected in the CICS bridge monitor.

**System action:** Message DFHMQ0750 is written to the CICS CSMT transient data queue and the CICS bridge monitor task is ended abnormally.

**User response:** See the description of message DFHMQ0750 for more information.

**Module:** DFHMQBR0

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**AMQG**

**Explanation:** The CICS DPL bridge program has detected an error in a request message for this unit of work.

**System action:** All request messages for this unit of work are copied to the dead-letter queue with an MQFB_CICS_* reason code. Corresponding error messages are written to the CICS CSMT transient data queue. An MQCRC_BRIDGE_ERROR reply is sent to the reply-to queue if requested. The CICS bridge task is ended abnormally.

**User response:** See the description of the accompanying messages for more information.

**Module:** DFHMQBP0

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**AMQH**

**Explanation:** The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an EXEC CICS API call.

**System action:** Message DFHMQ0704 is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

**User response:** See the description of message DFHMQ0704 for more information.

**Module:** DFHMQBR2

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**AMQI**

**Explanation:** The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an MQ API call.

**System action:** Message DFHMQ0710 is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

**User response:** See the description of message DFHMQ0710 for more information.

**Module:** DFHMQBP2

---

**AMQJ**

**Explanation:** The CICS DPL bridge program abended before processing any messages for the unit of work.

**System action:** All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor.

**User response:** See the description of the accompanying messages for more information.

**Module:** DFHMQBP2

---

**AMQK**

**Explanation:** The CICS DPL bridge program abended during error processing.

**System action:** An unexpected error occurred during CICS DPL bridge error processing.

**User response:** See the description of the accompanying messages for more information. If the problem reoccurs, contact your IBM support center.

**Module:** DFHMQBP2

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**AMQM**

**Explanation:** DFHMQBP0 attempted to process a Link3270 Bridge request but received an unspecified error. This abend code is only ever issued within message DFHMQ0778.
**AMQN**

**Explanation:** The Link3270 bridge has returned one or more bridge vectors. DFHMQBP0 has detected that one of the bridge vector lengths is invalid.

**System action:** The transaction is abended. Input messages are backed out to the backout-requeue queue or dead-letter queue.

**User response:** Check whether a transaction HANDLE ABEND routine has recovered from a 3270 Bridge abend and suppressed the abend. If this is the case the HANDLE ABEND routine should be coded to allow the 3270 Bridge abend to continue by reissuing the abend. If the problem reoccurs, contact your IBM support center.

**Module:** DFHMQBP0

**AMSA**

**Explanation:** An input data stream received from a 3270 begins with a set buffer address (SBA) order but is not followed by two 1-byte address fields. This is probably due to a hardware error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** It may be possible to bypass the problem by entering two spaces before the data to be entered.

If the problem persists, you need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMQBP0

**AMSC**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHMSP

**AMSD**

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related error message produced by the domain that detected the original error.

**Module:** DFHMSP
ANxx abend codes

ANQA
Explanation: An error has occurred obtaining a lock within the enqueue domain.
System action: The recovery routine of the module in control is invoked which issues message DFHNQ0002 with a system dump. DFHNQ0002 reports the module in control at the time of the error.
User response: See the description of message DFHNQ0002 for further guidance.
Module: DFHNQED, DFHNQIB, DFHNQNN, DFHNQST

ANQB
Explanation: An error has occurred releasing a lock within the enqueue domain.
System action: The recovery routine of the module in control is invoked. This routine issues message DFHNQ0002 with a system dump. DFHNQ0002 reports the module in control at the time of the error.
User response: See the description of message DFHNQ0002 for further guidance.
Module: DFHNQED, DFHNQIB, DFHNQNN, DFHNQST

ANQC
Explanation: An error has occurred obtaining a sysplex enqueue. The limit for the number of concurrent sysplex resource ENQ requests has been reached.
System action: Module DFHNQED issues message DFHAP0103 and the task issuing the EXEC ENQ request is abended.
User response: See the description of message DFHAP0103 for further guidance.
Module: DFHNQED

ANQD
Explanation: An error has occurred obtaining a sysplex enqueue. An unexpected environmental error has been detected.
System action: Module DFHNQED issues message DFHAP0104 and the task issuing the EXEC ENQ request is abended.
User response: See the description of message DFHAP0104 for further guidance.
Module: DFHNQED

ANQE
Explanation: An EXEC ENQ has been issued on a resource for which the enqmodel is either disabled or in the waiting state.
System action: Module DFHNQRN issues message DFHAP0105 and the task issuing the EXEC ENQ request is abended.
User response: See the description of message DFHAP0105 for further guidance.
Module: DFHNQRN

ANQF
Explanation: An EXEC CICS ENQ request has been issued too early during transaction initialization, before a recoverable transaction environment has been established.
System action: The transaction is abnormally terminated.
User response: This error should only occur when an exit such as the 3270 Bridge Exit is executing. If the exit program is written in a high level language, the ENQ may have been issued by Language Environment.
Module: DFHEKC

ANSA
Explanation: An error has occurred obtaining the numberspace lock within the AP domain.
System action: The recovery routine of the module in control is invoked which issues message DFHAP0002 with a system dump. DFHAP0002 reports the module in control at the time of the error.
User response: See the description of message DFHAP0002 for further guidance.
Module: DFHBRNS

ANSB
Explanation: An error has occurred releasing a lock within the AP domain.
System action: The recovery routine of the module in control is invoked which issues message DFHAP0002 with a system dump. DFHAP0002 reports the module in control at the time of the error.
User response: See the description of message DFHAP0002 for further guidance.
Module: DFHBRNS
**AOxx abend codes**

**AOTA**

**Explanation:** The OT domain resynchronization transaction CJTR has been started in an incorrect manner (for example, from a user terminal, or by a start request). This is not permitted.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** None. The OT domain resynchronization transaction must be started internally by CICS.

**Module:** DFHOTR

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**AOTB**

**Explanation:** An unexpected error was encountered by the OT domain resynchronization transaction CJTR.

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**APxx abend codes**

**APC0**

**Explanation:** A serious error occurred in a call to the program manager domain when trying to link a system program.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Use the dump to investigate why the error occurred. Look at the trace records prior to the error for abnormal conditions in processing the PGLK domain call. This may be due to a problem with directory manager, loader, or storage manager. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

**Module:** DFHEICRE, DFHEIDEF, DFHEIDEL, DFHEIINS, DFHPCP, DFHMCY

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**APC1**

**Explanation:** A request for a TGT exceeding 64KB has been detected.

**System action:** CICS abnormally terminates the transaction and disables the installed program definition.

**User response:** Change the application program to reduce the working storage requirement. Perform CEMT NEWCOPY and ENABLE for the program when it has been corrected.

**Module:** DFHAPLI

---

**APC2**

**Explanation:** An illegal branch has been attempted by a Language Environment user program following an abend condition with an active handle label abend. Usually an Out-Of-Block GOTO will have resulted, implying that the program tried to branch to, for example, an inactive block.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Use the dump and trace to determine the cause of the error and amend the GOTO in error.

**Module:** DFHAPLI

---

**APC3**

**Explanation:** An attempt to run the program has failed because CICS has identified the program as 'Language Environment enabled' but Language Environment support is not present in the system.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Refer to messages issued during CICS initialization to determine why Language Environment is not present in the system.

**Module:** DFHAPLI

---

**APCF**

**Explanation:** A CICS task has invoked a program which was defined as PL/I, but the program was not compiled with a supported PL/I compiler, or the program may not be written in the PL/I language.

**System action:** CICS terminates the task, and disables the program.

**User response:** Check that the program is PL/I. If the program is PL/I, recompile it with a Language
**APCG**

**Explanation:** The transaction was purged either by master terminal actions or due to deadlock timeout actions as part of a request to the loader for a usable program copy. Deadlock timeout could be caused by a program whose size exceeds the available space in the DSA or EDSAs.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Use the dump to investigate why the transaction was purged. This may be due to waiting for loader resources or for program storage. Check the program size. It may be necessary to increase the overall size limits of the DSA or EDSAs.

**Module:** DFHAPLI

---

**APCJ**

**Explanation:** A request for a C/370™ program could not be executed either because Language Environment was unable to recognize the program as having been compiled under the C/370 Compiler, or because the program was not link-edited with the attribute AMODE(31).

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Ensure that the program is link-edited with the attribute AMODE(31). If necessary, recompile the program with a Language Environment conforming compiler such as z/OS C/C++.

**Module:** DFHAPLI

---

**APCK**

**Explanation:** A request for a C program could not be honored either because Language Environment is not active in this address space or because Language Environment cannot provide support for the C language.

**System action:** The transaction is terminated abnormally and the program is disabled.

**User response:** Ensure that the correct Language Environment support is present. Refer to messages issued during CICS initialization to determine why C support is not present.

**Module:** DFHAPLI

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**APCL**

**Explanation:** A request for a program which CICS has identified as 'LE-enabled' has failed because Language Environment is unable to execute the program.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Ensure that the program has been compiled either with a Language Environment conforming compiler or with a compiler which is supported by Language Environment in compatibility mode. Refer to the Language Environment Migration Guide to verify this conformance.

If the compiler is supported, and the relevant language migration guides do not indicate any special actions,
refer this problem to your installation systems programming facility.

**Module:** DFHAPLI

### APCN

**Explanation:** An attempt to release an internal CICS program, a mapset, or a partitionset because the program, mapset or partitionset has not been loaded or has already been deleted. This is probably an internal CICS error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. The name of the program for which the RELEASE was attempted can be found in the abend dump at TCAPCPI.

**User response:** This is either an internal CICS error or is due to the overwriting of CICS internal control blocks. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHAMPEN, DFHFEP, DFHMCP, DFHMCP, DFHMCY, DFHPHP, DFHTBSSP, DFHZCPLN

### APCO

**Explanation:** A GETMAIN of storage for LEVEL 2 trace failed during transaction initialization.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHAPXM

### APCS

**Explanation:** An attempt to run the program failed because CICS was unable to make a successful connection with Language Environment to determine the run-time characteristics of the program. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment indicating the nature of the error.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Refer to the Language Environment Debugging Guide and Runtime Messages manual for the meaning of the reason code, and take whatever action is necessary to correct the error.

**Module:** DFHAPLI

### APCT

**Explanation:** One of the following has occurred

1. The program name in the EXEC CICS HANDLE ABEND program is not usable at the time an abend occurs because
   - The program is not on the relocatable program library (RPL).
   - The program is disabled.
   - The program cannot be loaded.
2. An attempt to load a mapset or partitionset failed because although the program is defined to CICS
   - It is not available on the RPL, or
   - It is disabled, or
   - It cannot be autoinstalled.
3. An attempt to link to, load, or release an internal CICS program failed because
   - The program is not on the RPL.
   - The program is disabled.
   - The program cannot be loaded.

**System action:** The transaction requiring the program is abnormally terminated with a CICS transaction dump.

**User response:** In cases 1 and 2, define the program, mapset partitionset to CICS using CEDA and ensure it is enabled.

In case 3, the definition of a CICS-provided module is incorrect. Check for associated messages issued during CICS start up.

**Problem determination:** The trace preceding the abend indicates the program, mapset, or partitionset that could not be loaded, linked to, or released. The name is also in TCAPCEPI.

**Module:** DFHACP, DFHAMPEN, DFHCRSP, DFHEDFF, DFHIEIP, DFHEICRE, DFHEIDF, DFHEIDEL, DFHEIINS, DFHEIPSH, DFHEIQSJ, DFHFEP, DFHICP, DFHMCP, DFHMCP, DFHMCY, DFHMELDE, DFHPCPG, DFHPHP, DFHPUP, DFHRDCAL, DFHSIII, DFHTBSSG, DFHTFP, DFHTSRP, DFHZCPLN, DFHZQ00, DFHZXCU

### APCW

**Explanation:** The program language is defined as COBOL but the level of the compiler under which it is compiled cannot be determined. Most probably, the program was compiled under an OS/VS COBOL compiler but the required level of support for that compiler is not present in the system.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** The program source must be converted and compiled with a Language Environment conforming COBOL compiler such as Enterprise COBOL.

**Module:** DFHAPLI
APCY

**Explanation:** In an MVS/ESA environment, a CICS macro request has been issued from a PL/I or COBOL application. Alternatively, it is possible that the application program has been link edited without the EXEC interface module (for example, DFHECI or DFHELII) which is used by the CICS high-level language programming interface. See the CICS System Definition Guide for details of what has to be done to include this module.

**System action:** The transaction is abnormally terminated and the program is disabled.

**User response:** Remove the macro request from the application program.

**Module:** DFHAPLI

APCZ

**Explanation:** An attempt was made to run an 'old-style' application program (a program with a pre-release 1.6 or a DFHE program stub), that was link-edited with the RENT or REFR attribute. These types of programs are not reentrant and therefore cannot be loaded into read-only storage.

**System action:** The transaction is abnormally terminated.

**User response:** Relink the program without the RENT and REFR attributes.

**Module:** DFHAPLI

APGA

**Explanation:** An error has occurred obtaining a lock within the Program Manager domain.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** Contact your local IBM support center for assistance.

**Module:** DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGIS, DFHPGLD, DFHPGLE, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRE, DFHPGRP, DFHPGST, DFHPGUE, DFHPGXE, DFHPGXM

APGB

**Explanation:** An error has occurred releasing a lock within the Program Manager domain.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** Contact your local IBM support center for assistance.

**Module:** DFHPGAI, DFHPGAQ, DFHPGDD,

DFHPGDM, DFHPGEX, DFHPGIS, DFHPGLD, DFHPGLE, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRE, DFHPGRP, DFHPGST, DFHPGUE, DFHPGXE, DFHPGXM

APGC

**Explanation:** A transaction has tried to allocate an excessive amount of storage for containers. A transaction must not allocate more than 5% of the storage available for holding containers above the bar.

**System action:** CICS abnormally terminates the task. CICS processing continues.

**User response:** If the program is incorrect, correct it to allocate less container storage. If the program is correct, increase MEMLIMIT so that the program does not use more than 5% of the storage available.

**Module:** DFHPGCR

APIA

**Explanation:** The transaction id (CPIH) of the Pipeline Inbound HTTP router program has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by CICS internal processes.

**System action:** The transaction is abnormally terminated.

**User response:** Do not initiate CPIH directly.

**Module:** DFHPIDSH

APIB

**Explanation:** The Pipeline HTTP outbound router program received an error response from the Pipeline Manager when it started the pipeline.

**System action:** The outbound router program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine why the Pipeline Manager failed to start successfully.

**Module:** DFHPIRT

APIC

**Explanation:** The Pipeline HTTP outbound router program received an error response from its attempt to do an EXEC CICS GET CONTAINER call to obtain the pipeline name from the DFHWS-PIPELINE container. Both a trace and message DFHPI0998 are issued and these will be an indication of what the error was. If the trace point id is '09DD'X then a CONTAINERERR was returned to DFHPIRT. A point id of '09DE'X indicates that a LENGERR was returned.
**System action:** The outbound router program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine why the Pipeline failed to start successfully.

**Module:** DFHPIRT

---

**APIG**

**Explanation:** A provider mode Web service invocation has failed. This may be due to a problem whilst processing a SOAP request message or generating a SOAP response message.

**System action:** CICS abends the transaction and a SOAP Fault message is sent to the requester.

**User response:** Examine the CICS trace for exception traces issued from DFHPITL. These will identify the source of the failure. If validation is currently disabled for the failing WEBSERVICE then consider enabling it and reproduce the problem. This causes CICS to call a Java based program to validate the SOAP message against the WSDL for the WEBSERVICE. If the SOAP message is malformed then a message will be issued to describe the problem in more detail.

**Module:** DFHPITP

---

**APII**

**Explanation:** The transaction id (CPIL) of the Pipeline MQ Listener program has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by being triggered by an inbound Websphere MQ message.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Do not initiate CPIL directly.

**Module:** DFHPILSQ

---

**APIM**

**Explanation:** The transaction id (CPIQ) of the Pipeline Inbound MQ router program has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by CICS internal processes.

**System action:** The transaction is abnormally terminated.

**User response:** Do not initiate CPIQ directly.

---

**APJ**

**Explanation:** A Websphere MQ function call issued by transaction CPIL was unsuccessful and has set a non-zero reason code. The transaction CPIL is used to start a PIPELINE for a message received from Websphere MQ.

**System action:** Message DFHPii0111 is produced, which includes the Websphere MQ reason code. The task is abnormally terminated with a CICS transaction dump.

**User response:** Check the Websphere MQ reason code in the MQ Messages and Codes manual, and examine the trace to determine why the MQ function call failed. You may need help from IBM to resolve this problem.

**Module:** DFHPILSQ

---

**APIL**

**Explanation:** The CICS supplied SOAP Handler received an unexpected response from another module.

**System action:** CICS attempts to run the pipeline in an error mode. No dump is taken.

**User response:** Examine the CICS joblog for associated messages.

**Module:** DFHPISN

---

**APIM**

**Explanation:** The CICS supplied SOAP Handler has failed with a disaster response.

**System action:** CICS attempts to run the pipeline in an error mode. A dump is taken.

**User response:** Keep the dump and contact your IBM Support Center.

**Module:** DFHPISN

---

**Explanation:** An attempt has been made to use Websphere MQ as the transport for CICS Web Services, but the Websphere MQ stub CSQCSTUB could not be loaded during CICS Initialisation. The Websphere MQ library CSQCLOAD needs to be included in the DFHHRPL concatenation to permit use of Websphere MQ as a transport for CICS Web Services.

**System action:** The attempt to use Websphere MQ as a transport for CICS Web Services has been rejected. Any further such attempts will also be rejected.

Message DFHAP0900 is produced.

The task is abnormally terminated with a CICS transaction dump.

**User response:** The Websphere MQ library CSQCLOAD must be included in the DFHHRPL concatenation to allow use of Websphere MQ as a transport for CICS Web Services. This is in addition to the other Websphere MQ libraries needed for MQ support in CICS.

**Module:** DFHPILSQ

---

**Explanation:** The CICS supplied SOAP Handler received an unexpected response from another module.

**System action:** CICS attempts to run the pipeline in an error mode. No dump is taken.

**User response:** Examine the CICS joblog for associated messages.

**Module:** DFHPISN

---

**Explanation:** The CICS supplied SOAP Handler has failed with a disaster response.

**System action:** CICS attempts to run the pipeline in an error mode. A dump is taken.

**User response:** Keep the dump and contact your IBM Support Center.

**Module:** DFHPISN

---

**Explanation:** The transaction id (CPIQ) of the Pipeline Inbound MQ router program has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by CICS internal processes.

**System action:** The transaction is abnormally terminated.

**User response:** Do not initiate CPIQ directly.
**APIN • APL0**

**Module:** DFHPIDSQ

**APIN**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The transaction id (CPIS) of the Pipeline WSAT resync program has been initiated invalidly, probably by entering the id at a terminal. This transaction must only be initiated by CICS internal processes.

**System action:** The transaction is abnormally terminated.

**User response:** Do not initiate CPIS directly.

**Module:** DFHPIR

**APIO**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The WSAT Registration Services program has encountered an error, which has prevented it from completing the processing of a registration or 2PC protocol request. The program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine why the Registration Services program has failed.

**Module:** DFHPIRS

**APIP**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The WSAT Coordination Context header handler program has encountered an unrecoverable error, which has prevented it from successfully creating or processing a coordination context. The program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine why the Coordination Services program has failed.

**Module:** DFHWSATH

**APIQ**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The WSAT application handler program has encountered an unrecoverable error, which has prevented it from creating or processing a registration message or a protocol message. The program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine why the Registration/Protocol Services program has failed.

**Module:** DFHWSATHX

**APIR**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The WSAT application handler program has encountered an attempt to use one-way messages in a WS-AT message. This combination is not permitted in WS-AT. The program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine which messages are at fault.

**Module:** DFHWSATH

**APIS**

**Explanation:** CICS detected an error during transaction initialization for a Web services task.

**System action:** The transaction is abnormally terminated.

**User response:** Examine the trace to determine the root cause of this problem.

**Module:** DFHPIXM

**APIT**

**Explanation:** The Web Services Atomic Transaction (WS-AT) handler has detected a problem. The attempt to resynchronize outstanding units of work has failed.

**System action:** The transaction is abnormally terminated.

**User response:** Investigate why the UOWs cannot be resynchronized.

**Module:** DFHPIRS

**APIU**

**Explanation:** The Pipeline MQ Listener program has encountered an attempt to parse a target URI that is longer than 255 bytes. The maximum length of a target URI in the RFH2 header is expected to be 255 bytes.

**System action:** The program is abnormally terminated.

**User response:** Examine the trace and associated messages to determine which messages are at fault.

**Module:** DFHPSQ.

**APL0**

**Explanation:** Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer's Guide.
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the *OS PL/I Optimizing Compiler: Programmer’s Guide*. 

Chapter 2. Transaction abend codes
APLH • APLW

APLH  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLI  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLJ  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLK  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLL  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLM  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLN  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLO  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLP  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLQ  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLR  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLS  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLT  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLU  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLV  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.

APLW  
Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer’s Guide.
APLx

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer's Guide.

APLY

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer's Guide.

APLZ

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer's Guide.

APP1

Explanation: The DFHIC TYPE=GET response code was not a normal response.

System action: The transaction is abnormally terminated with a CICS transaction :i1.DFHP3270 abend codes dump.

User response: Analyze the dump. The response code is in the low-order byte of register 0.

Module: DFHP3270

APP2

Explanation: The length of data that has been passed to DFHP3270 via temporary storage is less than or equal to 5.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Check the user DFHTEP. If it is not at fault, submit an APAR.

If this abend has occurred, the data that DFHP3270 obtained from temporary storage was probably put there with an incorrect length. The user may have requested indirectly that this data be placed in temporary storage either by an application request for printing (for example ISSUE PRINT) or by pressing the Print Request key. However, CICS should control the data length for this request. Under normal circumstances, the only way the user could have requested directly that data is to be placed in temporary storage is in the user's TEP. The user should check any invocations of DFHIC TYPE=PUT in handling print requests, particularly when dealing with the "printer unavailable or busy" condition, and ensure that the length field is set correctly.

Problem determination: Register 6 points to the data retrieved from temporary storage via a DFHIC TYPE=GET macro invocation. The layout of this data is
- Terminal data area length (2 bytes)
- Write control indicator (1 byte)
- Write control or carriage control character (1 byte)
- Data (variable length)

Analysis: DFHP3270 has been called to handle a print request from a 3270 Information Display System terminal. It obtains from temporary storage the data to be printed, via a DFHIC TYPE=GET invocation. It ensures that some data to be printed is present. The area returned from temporary storage contains the data to be printed preceded by 4 bytes as described above. DFHP3270 has found that, because the length of data passed to it is less than or equal to 5, there is no data to be printed.

Module: DFHP3270

APP3

Explanation: An attempt to request data has been sent to a nonprinter or unsupported device type by either
- A terminal operator entering CSPP as a transaction code, or
- A transaction issuing a DFHTEP request.

System action: The transaction is abnormally terminated. A CICS transaction dump is not provided.

User response:
1. Ensure that the terminal operator ceases to use CSPP as a transaction code, or
2. Correct the user DFHTEP program.

Module: DFHP3270

APR1

Explanation: An abnormal DFHIC TYPE=PUT response code was received during print key processing.

System action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User response: Analyze the dump. The response code is in low-order byte of register 0.

Module: DFHPRK

APSJ

Explanation: The abending transaction invoked the system spooler initialization program (DFHPSIP) illegally, that is from a program other than the CICS module, DFHSIJ1.

System action: CICS terminates the transaction abnormally. The EXEC CICS HANDLE ABEND
command can not handle this abend.

User response: Remove any calls or links to DFHPSIP from your application programs. If you can find no invocation of DFHPSIP in your application, you need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPSIP

APST

Explanation: A task issued a SPOOL command without the mandatory NOHANDLE operand.

System action: CICS terminates the task abnormally with a dump.

User response: Correct the syntax of the command, specifying NOHANDLE.

Module: DFHEPS

APSU

Explanation: The CICS SVC passed an invalid JES interface return code to the CICS system spooler (an MVS subtask).

System action: CICS terminates the task abnormally.

User response: This is an internal error – check any JES failures that occurred at the same time.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPSPI

APSV

Explanation: A storage area for VSAM macro return codes contained an invalid value.

System action: CICS terminates the task abnormally with a dump.

User response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHPSPI

APSZ

Explanation: A CICS area, used to store a JES interface return code, contained an invalid value.

System action: CICS terminates the task abnormally with a dump.

User response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPSPI

APTI

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.
If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHPSPST

**APTJ**

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHPSPST

---

**APUA**

**Explanation:** An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP (PUPF).

**System action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHPUP

---

**APUC**

**Explanation:** An internal error was detected when module DFHPUP was invoked. An invalid function code was supplied for a domain call to DFHPUP.

**System action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHPUP

---

**APUD**

**Explanation:** The RDO language definition table (DFHEITSP) could not be located in the library.

**System action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User response:** Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

**Module:** DFHPUP

---

**APUE**

**Explanation:** The RDO language definition table (DFHEITSP) could not be loaded because of a lack of available storage.

**System action:** Processing is abnormally terminated with an operating system dump.

**User response:** Allocate more storage and resubmit the offline COPY or APPEND command(s) that failed.

**Module:** DFHPUP (Batch environment)

---

**APUF**

**Explanation:** Either the RDO language definition table is invalid or it is missing from the library.

**System action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
In a batch environment, processing is abnormally terminated with an operating system dump.

User response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

---

**APUG**

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the CSD record buffer.

System action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

---

**APUI**

Explanation: An internal error was detected in module DFHPUP. Storage cannot be freed for the argument list.

System action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

---

**APUL**

Explanation: APUO.

CICS cannot find a match for a function code in the language definition table, because the parameterized resource definition contains an unrecognized resource type code.

The abend code issued depends on the DFHPUP operation that was invoked before the error occurred.

Abend DFHPUP operation

APUL FLATTEN
APUM TRANCASE
APUN COMPARE
APUO BACKTRANS

The cause of the abend is either
1. A language definition table (DFHEITSP or DFHEITCU) in the library is invalid for the CICS release you are running, or
2. A CICS logic error has occurred.
In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.

In a batch environment, processing is abnormally terminated with an operating system dump.

User response: Your response depends on which of the two possible reasons apply
1. Ensure that the DFHEITSP and DFHEITCU modules in the library are valid for this release of CICS.
2. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

**APUM**

Explanation: Refer to the description of abend APUL.
Module: DFHPUP

**APUN**

Explanation: Refer to the description of abend APUL.
Module: DFHPUP

**APUO**

Explanation: Refer to the description of abend APUL.
Module: DFHPUP

**APUP**

Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. There was a stack error building a keyword list for the syntax tree.

System action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

**APUS**

Explanation: An internal error occurred in DFHPUP processing of a CSD record buffer. The integer data length for a keyword field is invalid.

System action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

**APUT**

Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The keyword existence bit number, which is the KEPI value in language definition table DFHEITSP, is not valid.

System action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User response: Ensure that the module DFHEITSP is
**APUZ • ARHA**

in the library and is valid for this release of CICS.

**Module:** DFHPUP

*---------------------------------------------------------------

**APUZ**

**Explanation:** CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This abend can occur for one of the following reasons

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

**System action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User response:** Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

**ARxx abend codes**

**ARCB**

**Explanation:** CICS has attempted to enable a task-related user exit, or a global user exit during initialization, but failed because the exit program could not be found.

On all types of start, CICS attempts to enable DFHEDP, the EXEC DLI task-related user exit and DFHLETRU, the language environment task-related user exit. On an emergency restart, CICS enables transaction backout exit programs as specified by the first two TBEXITS system initialization parameters.

On all types of start, CICS attempts to enable file control backout programs as specified by the third, fourth, fifth, and sixth TBEXITS system initialization parameters.

**System action:** CICS issues a message to the console indicating which exit program is involved. CICS initialization then terminates abnormally with a system dump.

**User response:** If the associated message indicates that program DFHEDP could not be found, check that IBM-supplied group DFHMISC is included in the group list used at CICS cold or initial start time.

For transaction backout exit programs, including the file control backout programs, ensure the program has been defined and is in library available to CICS.

If necessary, use the dump to find out why the exit program could not be enabled.

**Module:** DFHRCEX

**ARHA**

**Explanation:** The SAA resource recovery interface has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPIR
ARHB

**Explanation:** The SAA resource recovery interface has been invoked with an invalid number of parameters for the call.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** The exception trace point produced with this abend contains the SAA resource recovery verb name that was issued incorrectly. Use this to determine where the application program was in error and amend application program accordingly. The SAA Resource Recovery Reference Manual, SC31-6821, provides a detailed description of the SAA resource recovery verbs and how they should be called.

**Module:** DFHCPIR

ARHC

**Explanation:** The SAA resource recovery interface has detected an unexpected return code from the syncpoint program. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPIR

ARM0

**Explanation:** An attempt was made to attach a transaction specifying DFHRMXN3 as the program to be given control, but the transaction was not internally attached by CICS.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to attach CSKP incorrectly, or why a transaction definition specified DFHRMXN3 as the program to be given control.

**Module:** DFHRMXN3

ARP2

**Explanation:** The server controller detected an internal error during CICS ONC RPC enable processing.

**System action:** One of the following messages is issued: DFHRP0508, DFHRP0509, DFHRP0528,

**User response:** Ensure that the z/OS Communications Server VARY INACT command is used correctly. If this is not the cause of the abend, you need further

**Module:** DFHRPC01

ARPA

**Explanation:** An unexpected response from DFHSUSN has occurred when trying to sign off a user of the CRTE transaction in the target system when processing a CANCEL request.

This abend can be caused by incorrect use of the z/OS Communications Server VARY INACT command. Otherwise it indicates that there may be an error in CICS.

**System action:** The CSSF transaction (CRTE cancel processor transaction) is terminated with an ARPA abend.

**User response:** Ensure that the z/OS Communications Server VARY INACT command is used correctly. If this is not the cause of the abend, you need further

**Module:** DFHRPC01
assistance from IBM to correct this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRTC

**Explanation:** The alias could not be initialized.

**System action:** One of the following messages is issued: DFHRP0103, DFHRP0104, DFHRP0106, DFHRP0108, DFHRP0109.

**User response:** See the user response for the message.

**Module:** DFHRTC

**Explanation:** The alias was not able to link to the CICS program or the Encode function of the converter one of the following reasons:
- The userid supplied for the alias was not valid.
- The CICS program is not defined as a resource to the external security manager.
- The CICS program name is not valid.
- The CICS program was on a different system from CICS ONC RPC, and the specified system name was not valid.
- The converter program name was not valid.
- The converter program is defined as remote.
- The alias is not authorized to use the converter

**System action:** One of the following messages is issued: DFHRP0121, DFHRP0131, DFHRP0138, DFHRP0139, DFHRP0141, DFHRP0146, DFHRP0150, DFHRP0165, DFHRP0166, DFHRP0167.

**User response:** See the user response for the message.

**Module:** DFHRPAS

**Explanation:** The alias detects a CICS logic error.

**System action:** One of the following messages is issued: DFHRP0102, DFHRP0132, DFHRP0134.

**User response:** See the user response for the message.

**Module:** DFHRPAS

**Explanation:** The alias detected a CICS logic error.

**System action:** One of the following messages is issued: DFHRP0161, DFHRP0162, DFHRP0163, DFHRP0169.

**User response:** See the user response for the message.

**Module:** DFHRPAS

**Explanation:** The alias detected an authorization error.

**System action:** One of the following messages is issued: DFHRP0119, DFHRP0120, DFHRP0132, DFHRP0134.

**User response:** See the user response for the message.

**Module:** DFHRPAS

**Explanation:** The alias detected an error in user code.

**System action:** One of the following messages is issued: DFHRP0110, DFHRP0132, DFHRP0134.

**User response:** See the user response for the message.

**Module:** DFHRPAS
ARPN
Explanation: The alias detected an error while trying to switch TCBs.
System action: The following message is issued: DFHRP0151.
User response: See the user response for the message.
Module: DFHRPAS

ARPO
Explanation: The alias program detected an abend.
System action: One of the following messages is issued: DFHRP0181, DFHRP0182, DFHRP0183.
User response: See the user response for the message.
Module: DFHRPAS

ARPU
Explanation: The connection manager could not access the CICS ONC RPC data set, and received an error response when it tried to send message DFHRP1512.
System action: None.
User response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHRPC01

ARPV
Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.
System action: One of the following messages is issued: DFHRP1540, DFHRP1651, DFHRP1954.
User response: See the user response for the message.
Module: DFHRPC0E

ARPX
Explanation: The connection manager was started against an invalid terminal.
System action: The following message is issued: DFHRP1522.
User response: See the user response for the message.
Module: DFHRPAS

ARPZ
Explanation: The connection manager has insufficient authority.
System action: The following message is issued: DFHRP1902.
User response: See the user response for the message.
Module: DFHRPC0B

ARTA
Explanation: The task does not own a terminal as its principal facility.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.
Module: DFHRTE

ARTB
Explanation: There is no input TIOA or the data length is zero.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.
Module: DFHRTE

ARTC
Explanation: The link to the required system is not usable for an unknown reason.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHRTE
**Explanation:** An internal logic error has been detected.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module: DFHRTE**

**Explanation:** An error was encountered when attempting to read from or write to temporary storage.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Determine the cause of the temporary storage problem and correct it.

**Module: DFHRTE**

**Explanation:** An attempt has been made to use the routing transaction (CRTE) from a terminal that has a permanent transaction code set.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer.

**Module: DFHRTE**

**Explanation:** CICS could not find the profile specified for a transaction being routed.

**System action:** CICS terminates the task abnormally with a dump.

**User response:** Check your transaction and profile definitions.

**Module: DFHRTE**

**Explanation:** An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHRTE during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** CICS terminates the task abnormally with a dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module: DFHRTE**

**Explanation:** A transactional EXCI request has been received from a batch region. CICS has encountered an error when attempting to express interest in an RRMS Unit of Recovery.

**System action:** The transaction is terminated with a CICS transaction dump.

**User response:** Resource Recovery Services (RRS) may
have been shut down after the request was received by
CICS. If this is the case, retry the EXCI request once
RRS has been restarted.

If this is not the case, use the exception trace provided
by the RX domain to determine the reason for the
failure. You might need further assistance from IBM in
this situation. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Module: DFHRXUW

ARXB

Explanation: An error (EXCEPTION, DISASTER,
INVALID, KERNERROR or PURGED) has occurred on
an ADD_LINK call to the recovery manager (RM)
domain. For errors other than EXCEPTION, the RM
domain provides an exception trace, a console message,
and possibly a system dump (depending on the options
in the dump table).

For all errors, DFHRXUW provides an exception trace,
console message DFHRX0002, and possibly a system
dump (depending on the options in the dump table).

System action: The transaction is terminated with a
CICS transaction dump.

User response: See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Module: DFHRXUW

ARXC

Explanation: A transactional EXCI request has been
received from a batch region when either
• CICS did not register as a resource manager with
  Recoverable Resource Management Services (RRMS)
  because system initialization parameter RRMS=NO
  was specified.
• the RX domain did not successfully complete its
  initialization.

System action: The transaction is terminated with a
CICS transaction dump.

User response: If CICS was started with system
initialization parameter RRMS=NO, restart CICS
specifying RRMS=YES (or route transactional EXCI
requests to another CICS system).

Otherwise, investigate why the RX domain did not
initialize successfully. A failure during initialization of
the domain is accompanied by a console message and a
system dump. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Module: DFHRXUW

ARXZ

Explanation: An attempt to service a GIOP request
failed during task attach due to required resources
being unobtainable, or missing information from
request data.

System action: The request fails and the task is
abnormally terminated with abend code ARZ2. CICS
takes a transaction dump, unless module DFHDUIO is
not loaded.

User response: Use the transaction dump to determine
the cause of the failure. For further assistance, or if
module DFHDUIO is not loaded and no transaction
dump is available, contact your system programmer.

Module: DFHRZXM

ARZ3

Explanation: An attempt to service a GIOP request
failed during task attach due to required resources
being unobtainable, or missing information from
request data.

System action: The request fails and the task is
abnormally terminated with abend code ARZ3. CICS
takes a transaction dump, unless module DFHDUIO is
not loaded.

User response: Use the transaction dump to determine
the cause of the failure. For further assistance, or if
module DFHDUIO is not loaded and no transaction
dump is available, contact your system programmer.

Module: DFHRZIX, DFHRZTCX

ARZ4

Explanation: An attempt to service a GIOP request
failed during task attach due to required resources
being unobtainable, or missing information from
request data.

System action: The request fails and the task is
abnormally terminated with abend code ARZ4. CICS
takes a transaction dump, unless module DFHDUIO is
not loaded.

User response: Use the transaction dump to determine
the cause of the failure. For further assistance, or if
module DFHDUIO is not loaded and no transaction
dump is available, contact your system programmer.

Module: DFHRZRM, DFHRZSO1

ARZ5

Explanation: The target request stream task detected
that the source task was no longer active. The target
task is unable to process the request it was attached for.

System action: The request fails and the task is
abnormally terminated with abend code ARZ5. CICS
ARZE  •  ASCB

takes a transaction dump, unless module DFHDUIO is not loaded.

**User response:** Investigate why the source task has terminated before this target began initialization. There might be relevant messages in the CICS log. Otherwise a CICS trace or system dump will be required to identify the problem. One possible cause is that the source task was timed out and purged before the target task started.

**Module:** DFHRZXM

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ARZE

**Explanation:** A command has failed due to a serious failure in a CICS component (resource manager).

**System action:** The transaction is abnormally terminated with abend code ARZE. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

**User response:** Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

**Module:** DFHRZXM

---

ARZF

**Explanation:** A command has failed due to a serious failure in a CICS component (resource manager).

**System action:** The transaction is abnormally terminated with abend code ARZF. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

**User response:** Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

**Module:** DFHRZLN, DFHRZRM, DFHRZSO, DFHRZSO1, DFHRZTA, DFHRZXM

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ARZJ

**Explanation:** A command has failed due to a serious failure in a CICS component (resource manager).

**System action:** The transaction is abnormally terminated with abend code ARZJ. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

**User response:** Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

**Module:** DFHRZLN, DFHRZRM, DFHRZSO, DFHRZSO1, DFHRZTA, DFHRZXM

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ASxx abend codes

**ASCA**

**Explanation:** A DFHSC TYPE=GETMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

**System action:** The transaction is terminated with a CICS transaction dump.

**User response:** There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

**Module:** DFHSMSCP

---

**ASCB**

**Explanation:** A DFHSC TYPE=FREEMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

**System action:** The transaction is terminated with a CICS transaction dump.

**User response:** There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

**Module:** DFHSMSCP
ASCP

**Explanation:** A task which has issued an unconditional DFHSC TYPE=GETMAIN request has been purged while waiting for sufficient contiguous main storage to become free.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. This will either have been as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the task was purged by the master terminal operator then this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded then this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHSMSCP

ASCR

**Explanation:** A DFHSC macro request has been issued with an invalid request type.

**System action:** The transaction is terminated with a CICS transaction dump.

Detection of the invalid request by DFHSMSCP causes a console message and a system dump to be produced.

**User response:** Use the associated console message and system dump to investigate the problem.

**Module:** DFHSMSCP

ASFA

**Explanation:** An internal logic error occurred in DFHSFP because of an unexpected response from EXEC CICS. This abend code is usually accompanied by message DFHCE3598 which contains the associated return codes.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSFP

ASF

**Explanation:** An attempt was made to execute the CICS signoff program without an associated terminal.

**System action:** CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

**User response:** Only use the signoff program when there is a related terminal.

**Module:** DFHSFP

ASF

**Explanation:** An attempt was made to execute the CICS signoff program against an APPC session.

**System action:** CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

**User response:** Only use the signoff program when there is a related terminal.

**Module:** DFHSFP

ASH2

**Explanation:** An attempt to service a Scheduler Services request failed due to required resources being unobtainable. This may result in a request being unserviceable or an Activity being marked abended depending on the nature of the failure.

**System action:** The transaction is abnormally terminated with abend code ASH2. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

**User response:** Check that any required links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

**Module:** DFHCESD
ASH3

Module: DFHSHXM

ASH3
Explanation: A transaction bound to a Scheduler Services request has backed out. No other abend code has been set. The SH abend request uses this abend code by default.
System action: The transaction continues backing out. A subsequent task will process the SH abend request.
User response: None.

Module: DFHSHRM

ASH4

Module: DFHSHXM

ASH4
Explanation: A Scheduler Services request attempted to attach a transaction that is currently disabled.
System action: The transaction is abnormally terminated with abend code ASH4. CICS takes a transaction dump, unless module DFHDUIO is not loaded.
User response: Check the status of the transaction. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHRM

ASHA

Module: DFHSHXM

ASHA
Explanation: A command has failed due to a serious failure in a CICS component (resource manager).
System action: The transaction is abnormally terminated with abend code ASHA. CICS takes a transaction dump, unless module DFHDUIO is not loaded.
User response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDM

ASHB

Module: DFHSHDM

ASHB
Explanation: A command has failed due to a serious failure in a CICS component (resource manager).
System action: The transaction is abnormally terminated with abend code ASHB. CICS takes a transaction dump, unless module DFHDUIO is not loaded.
User response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDM

ASHR

Module: DFHSHRM

ASHR
Explanation: A command has failed due to a serious failure in a CICS component (resource manager).
System action: The transaction is abnormally terminated with abend code ASHR. CICS takes a transaction dump, unless module DFHDUIO is not loaded.
User response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHRM

ASHU

Module: DFHSHRM

ASHU
Explanation: In the process of transferring the request from one region to another an abend occurred due to a routing failure. The Request cannot be routed to a suitable region. The request is unserviceable.
System action: The transaction is abnormally terminated with abend code ASHU. CICS takes a transaction dump, unless module DFHDUIO is not loaded.
User response: Check the links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHRM

ASIA

Module: DFHSHRM

ASIA
Explanation: An error has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System action: The task is abnormally terminated with a CICS transaction dump. CICS then terminates abnormally.
User response: See the related message from the domain that detected the original error.

Module: DFHSHRM

ASIB

Module: DFHSHRM

ASIB
Explanation: An attempt has been made to run the CICS internal task CPLT as a user transaction.
System action: CICS terminates the task with a transaction dump.
User response: Investigate why the attempt was made
to run CPLT as a user transaction.

**Module:** DFHSIPLT

---

**ASJ1**

**Explanation:** CICS attempted to initialize the Java environment for a task by issuing a JNI_CreateJavaVM call to the Java Native Interface. The call was not successful.

**System action:** Exception trace SJ 050C is created. The task is abnormally terminated with a CICS transaction dump.

**User response:** This abend often implies that there is an error in the JVM profile. Check that the LIBPATH and JAVA_HOME entries in the JVM profile are correct. Also check that the USSHOME system initialization parameter is set correctly.

Ensure that CICS is using the correct JVM Profile and that the correct version of Java is being used. Check that the CICS region ID has read permission to the Java z/OS UNIX files and that you have the latest Java maintenance applied.

Examine the z/OS UNIX files used for stdout and stderr (as named by the environment variables STDOUT and STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination SYSOUT for error messages from Language Environment and the Java Native Interface (JNI). The trace table from the transaction dump contains the exception trace mentioned above.

If the previous suggestions do not help, ensure that the JVM has not abended. Check the WORK_DIR directory specified in the JVM Profile for any files named javacore or Snap.

**Module:** DFHSJCS

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**ASJ3**

**Explanation:** The CICS JVM interface invoked the JVM to find the main method of the CICS Wrapper class used to set up the operating environment before executing the user Java class. The JVM failed to find the main method of the CICS Wrapper class.

**System action:** DFHSJCS provides an exception trace, console message DFHSJ0002, and possibly a system dump (depending on the options in the dump table). The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the zFS files used for stdout and stderr (as named by the environment variables STDOUT and STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination SYSOUT for error messages from Language Environment and the Java Native Interface (JNI).

**Module:** DFHSJCS

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**ASJ4**

**Explanation:** The SJ domain failed to build the argument list required to invoke the CICS Wrapper class used to set up the operating environment before executing the user Java class. This is possibly due to lack of free storage.

**System action:** DFHSJCS provides an exception trace, console message DFHSJ0002, and possibly a system dump (depending on the options in the dump table). The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the zFS files used for stdout and stderr (as named by the environment variables STDOUT and STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination SYSOUT for error messages from Language Environment and the Java Native Interface (JNI).

**Module:** DFHSJCS

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**ASJ5**

**Explanation:** The CICS JVM interface invoked the CICS Wrapper class used to set up the operating environment before executing the user Java class. The Wrapper returned an exception.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the zFS files used for stdout and stderr (as named by the environment variables STDOUT and STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination SYSOUT for error messages from Language Environment and the Java Native Interface (JNI).

**Module:** DFHSJCS

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**ASJ6**

**Explanation:** The SJ domain issued a call to the kernel to ensure that CICS's ESTAE is the current ESTAE. This is required before calling CICS services from a native C environment which is running with Language Environment's ESTAE in effect. The call failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Examine the CICS Kernel or MVS messages and diagnostics that should be present as a result of the failure.
Module: DFHSJCS

ASJ7
Explanation: An error has caused the JVM server to receive a SIGABRT signal.
System action: CICS produces a system dump and terminates immediately.
User response: Contact IBM support.
Module: DFHSJSC

ASJ8
Explanation: The SJ domain issued a call to the kernel to ensure that CICS's ESTAE is not the current ESTAE.
This is required before calling the JVM as Language Environment's ESTAE is required to be in effect inside the JVM. The call failed.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Examine the CICS kernel or MVS messages and diagnostics that should be present as a result of the failure.
Module: DFHSJCS

ASJA
Explanation: An error has occurred obtaining a lock within the Java domain.
System action: CICS abnormally terminates the task. CICS processing continues.
User response: Contact your local IBM support center for assistance.
Module: DFHSJSM, DFHSJST

ASJB
Explanation: An error has occurred releasing a lock within the Java domain.
System action: CICS abnormally terminates the task. CICS processing continues.
User response: Contact your local IBM support center for assistance.
Module: DFHSJSM, DFHSJST

ASJC
Explanation: The CICS_HOME directory is inaccessible, does not exist, or contains a version of CICS Java support which is not the same as this release of CICS.
System action: CICS terminates the task with a transaction dump.
User response: Update the CICS_HOME option in the JVM profile.
Module: DFHSJCS

ASJD
Explanation: An attempt to load a DLL by SJ Domain has failed.
System action: CICS terminates the task with a transaction dump.
User response: See message DFHSJ0503 to determine the DLL name and the reason why the load failed.
Module: DFHSJCS

ASJE
Explanation: An attempt to locate the Wrapper class has failed.
System action: CICS terminates the task with a transaction dump.
User response: Verify the location and attributes of the CICS Wrapper class particularly the HFS permissions. If Java 2 security is active ensure the necessary permissions have been granted in the policy file. See message DFHSJ0501 for further information.
Module: DFHSJCS

ASJF
Explanation: An attempt to change the HFS working directory has failed.
System action: CICS terminates the task with a transaction dump.
User response: See message DFHSJ0502 to determine the directory name and the reason why the attempt failed.
Module: DFHSJCS

ASJG
Explanation: An attempt by SJ domain to fetch the user-replaceable module DFHJVMAT has failed.
System action: CICS terminates the task with a transaction dump.
User response: Verify that module DFHJVMAT is contained in a data set referenced by ddname SDFHAUTH and that it is executable.
Module: DFHSJIN
ASJH

**Explanation:** A JVM has terminated due to a program check or other reason.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Check the JVM's STDOUT and STDERR files, and any JVM dumps for further information.

**Module:** DFHSJIN

ASJI

**Explanation:** Program DFHSJJI was called using `EXEC CICS LINK`, but no channel was provided.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Specify the channel to be passed to DFHSJJI.

**Module:** DFHSJJI

ASJJ

**Explanation:** The JAVA_HOME directory is inaccessible, does not exist, or contains a JVM which does not match the Java version requirements for this release of CICS.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Change the permissions of the JAVA_HOME directory, or update the version of Java specified in the JVM profile.

**Module:** DFHSJJP

ASJK

**Explanation:** An attempt was made to attach transaction CJGC, but the transaction was not attached internally by CICS.

The CICS system transaction CJGC provides support for initiating Garbage Collection in a JVM. It can only be attached internally by CICS.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to illegally attach CJGC.

**Module:** DFHSJGC

ASJL

**Explanation:** An attempt was made to attach a transaction specifying DFHSJGC as the program to be given control, but the transaction id was not CJGC.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why a transaction definition specified DFHSJGC as the program to be given control.

**Module:** DFHSJGC

ASJH  ASJO

ASJM

**Explanation:** An attempt was made to attach transaction CJPI, but the transaction was not attached internally by CICS.

The CICS system transaction CJPI provides support for initializing new JVMs. It can only be attached internally by CICS.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why an attempt was made to illegally attach CJPI.

**Module:** DFHSJPI

ASJN

**Explanation:** An attempt was made to attach a transaction specifying DFHSJPI as the program to be given control, but the transaction id was not CJPI.

DFHSJPI is for use by CICS system transaction CJPI, which provides support for initializing new JVMs.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** Establish why a transaction definition specified DFHSJPI as the program to be given control.

**Module:** DFHSJPI

ASJO

**Explanation:** The JVMServer resolution transaction CJSR, has encountered an internal error.

The CICS system transaction CJSR provides support for initializing new JVM servers. If this fails, it is likely that there is an underlying error with the CICS system.

**System action:** The transaction is abnormally terminated. CICS processing continues.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHSJIT
**ASJR**

**Explanation:** An attempt was made to start a JVM in resettable mode by specifying \[-\]Xresettable=YES or REUSE=RESET.

**System action:** CICS terminates the task with a transaction dump.

**User response:** The resettable mode of the Java Virtual Machine is obsolete and no longer supported. If \[-\]Xresettable=YES was specified in the JVM profile or properties file, remove it. If REUSE=RESET was specified in the JVM profile, change it to REUSE=YES or REUSE=NO. See message DFHSJ0524 for further information.

**Module:** DFHSJPJP

---

**ASJS**

**Explanation:** A Java application running in a JVM server invoked the System.exit() method.

**System action:** CICS produces a system dump and terminates immediately.

**User response:** Change the application to avoid invoking System.exit() or implement a Java Security Manager to prevent System.exit() from being invoked.

**Module:** DFHLEPTC

---

**ASNA**

**Explanation:** An internal logic error occurred in DFHSNP because of an unexpected response from EXEC CICS.

**System action:** CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNP

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**ASNB**

**Explanation:** An attempt was made execute the CICS sign on program without an associated terminal. This abend code is usually accompanied by message DFHCE3548.

**System action:** CICS terminates the transaction with a dump.

**User response:** Only use the sign on program when there is a related terminal.

**Module:** DFHSNP

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**ASNC**

**Explanation:** The signon program attempted to send a request to the user but failed to do so.

**System action:** CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNP

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**ASND**

**Explanation:** A request from DFHSNTU to ENQ on the address of the SNEX has failed during signoff terminal user.

**System action:** A transaction dump is taken and the task which issued the signoff is abended.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNTU

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**ASOA**

**Explanation:** The TCP/IP listener task CSOL has been incorrectly started from a terminal. It can only be enabled by the Sockets Domain at CICS system initialization or by using CEMT SET TCPIP OPEN or the equivalent SPI function.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** None.

**Module:** DFHSOL

---

**ASOB**

**Explanation:** Sockets domain has encountered a locking error while attempting to issue a lock.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** The exception trace before this abend gives more information as to why this abend was issued.

**Module:** DFHSOCK

---

**ASOC**

**Explanation:** The TCP/IP listener task CSOL has encountered an unlocking error while attempting to issue an unlock.

**System action:** The transaction is abnormally terminated with a transaction dump.
User response: The exception trace prior to this abend gives more information as to why this abend was issued.

Module: DFHSOL

ASOD

Explanation: The TCP/IP transaction attach module DFHSOXM encountered an error during the bind stage of transaction attach processing for a new task.

System action: The transaction is abnormally terminated with a transaction dump.

User response: The exception trace prior to this abend gives more information as to why this abend was issued.

Module: DFHSOXM

ASOL

Explanation: The TCP/IP listener task CSOL has abended.

System action: The transaction is abnormally terminated with a transaction dump.

User response: Investigate why the transaction was abended. The exception trace prior to this abend gives more information as to why this abend was issued.

Module: DFHSOXM

ASP1

Explanation: Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt about the outcome of the unit of work for the transaction.

Alternatively, a transaction may have timed out while waiting for Recoverable Resource Management Services (RRMS) to provide the outcome of the unit of work, or RRMS may have failed during the critical indoubt period.

The transaction definition specifies WAIT(YES) as an indoubt attribute. Therefore the unit of work is not completed but is shunted and allowed to wait for resynchronization with the coordinator system. If the WAITTIME attribute is specified on the transaction definition, the unit of work waits for the specified time. If after that time the coordinator system has not resynchronized, a unilateral decision is made about the unit of work as specified by the ACTION keyword on the transaction definition. A WAITTIME of zero, the default, means an indefinite wait. The unit of work can also be forced to take a unilateral decision by means of a CEMT SET UOW command.

System action: The transaction is abnormally terminated. The EXEC CICS HANDLE ABEND command cannot handle this abend.

The associated unit of work is shunted awaiting the return of the coordinator system. Recoverable resources updated by the unit of work remain locked. The locks are released when the unit of work is backed out or committed at resynchronization time, or when a unilateral decision is made by this system.

Message DFHAC2201 is sent to the terminal end user if possible, and message DFHAC2231 is sent to transient data destination CSMT.

User response: None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator system takes place.

Alternatively, the user can force resolution of the updates independently of the coordinator system by making a CEMT request to commit or back out the unit of work.

Module: DFHAPAC

ASP2

Explanation: A syncpoint has been attempted when an intersystem conversation is in a state in which the EXEC CICS SYNCPOINT command is not allowed. If CICS is connected to a system which must act as LAST AGENT, such as IMS, then this ABEND will be issued from SYNCPOINT processing if a PREPARE has been received on a link to another system. In order to support syncpointing CICS must act as COORDINATOR when it is directly connected to the LAST AGENT; the COORDINATOR system may send PREPARE syncpoint commands but never receives them.

System action: The task is abnormally terminated with a CICS transaction dump which includes terminal control information. In particular, the dump contains state information for the links used by this transaction. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User response: Ensure that the application issues an EXEC CICS SYNCPOINT command only when its sync level 2 conversations are in the correct state. The EXEC CICS SYNCPOINT command may be issued only when each conversation is in one of the following states

SEND
PEND-RECEIVE (Not for MRO)
PEND-FREE
SYNC-RECEIVE
SYNC-SEND (Not for MRO)
SYNC-FREE

Module: DFHAPAC
**ASP3**

**Explanation:** An application has requested sync point, either using `EXEC CICS SYNCPOINT` or implicitly using `EXEC CICS RETURN`. The coordinator of the sync point is not this CICS system but is remote. During the sync point protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

This error can occur with external resource managers connected to CICS using the resource manager interface (RMI), CICS systems connected using LU 6.2, MRO, and IPIC. If an external resource manager such as DB2 is the only recoverable resource updated in the transaction, the recovery manager (RM) domain can optimize the sync point protocol. In this instance, the external resource manager becomes the sync point coordinator. In this instance if the external resource manager returns with a backed out response, an ASP3 abend results.

**System action:** The transaction is abnormally terminated and recoverable resources updated by the unit of work are backed out. The `EXEC CICS HANDLE ABEND` command cannot handle this abend.

Message DFHAC2220 is sent to the terminal user if possible and message DFHAC2250 is sent to transient data destination CSMT.

**User response:** Check the remote coordinator system to determine why the unit of work was backed out.

**Module:** DFHAPAC

---

**ASP7**

**Explanation:** A resource manager involved in syncpoint protocols has replied ‘No’ to a request to ‘Prepare’. The resource manager may be local to this CICS system, or may be a remote resource manager on another CICS system, or an external resource manager communicating through the resource manager interface (RMI).

**System action:** CICS terminates the transaction abnormally. Recoverable resources updated by the unit of work are backed out. The `EXEC CICS HANDLE ABEND` command cannot handle this abend.

If it is a local resource manager that has voted no, message DFHAC2218 is sent to the terminal end user if possible, and message DFHAC2248 is sent to transient data destination CSMT.

If it is a remote resource manager that has voted no, message DFHAC2219 is sent to the terminal end user if possible, and message DFHAC2249 is sent to transient data destination CSMT.

**User response:** This abend is caused by a prior problem. For example

- the resource manager cannot flush its buffers because of an I/O error
- the resource manager cannot communicate with CICS because of a TP failure.
- Event Processing is unable to emit a synchronous event

Inspect the CICS message log to determine the cause of the earlier problem and correct it. An ASP7 can also occur during terminal or connection install if CICS is short on storage. For instance if message DFHAC2248 shows the transaction as CATA then look for earlier short on storage messages.

**Module:** DFHAPAC

---

**ASP8**

**Explanation:** The transaction requested syncpoint rollback, but was using a type of processing for which syncpoint rollback is not supported.

**System action:** CICS terminates the transaction abnormally. The `EXEC CICS HANDLE ABEND` command cannot handle this abend.

Message DFHAC2217 is sent to the terminal end user if possible, and message DFHAC2247 is sent to transient data destination CSMT.

**User response:** This error may be an application error or a configuration error. Some communication sessions, (for example, LU6.1) do not support syncpoint rollback, and if CICS detects such a session during rollback processing, the task is abended. This restriction is described in the CICS Intercommunication Guide. To resolve the problem, either

- Change the application so that it does not issue syncpoint rollback commands while the non-supporting sessions are allocated (e.g. issue an `EXEC CICS FREE` first), or
- Change the configuration so that either APPC or MRO sessions are used for communication. These are the only two session types which support syncpoint rollback.

Alternatively, following a session failure during a previous syncpoint, CICS may have decided to rollback this unit-of-work in order to preserve data integrity. Since the unit-of-work contains a session which does not support syncpoint rollback, this abend ensues. In this case, no action is required in response to this abend, although action may be required to deal with the original failure.

**Module:** DFHAPAC

---

**ASP9**

**Explanation:** The transaction requested syncpoint via `EXEC CICS SYNCPOINT`, but this is not allowed in a transaction that is acting on behalf of an Activity.

**System action:** CICS terminates the transaction
abnormally. EXEC CICS HANDLE ABEND command cannot handle this abend.

User response: The error indicates an invalid attempt to syncpoint the transaction.

Module: DFHEISP

ASPA

Explanation: The task was purged before a request to recovery manager (RM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

User response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

If CICS is abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

Module: DFHAPAC

ASPC

Explanation: An error (INVALID or DISASTER) has occurred on a call to the bridge syncpoint routine (DFHBRSP). The domain that detected the original error will have provided an exception trace, and, possibly, a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message from the domain that detected the original error.

Module: DFHAPAC

ASPD

Explanation: The transaction requested syncpoint via EXEC CICS SYNCPOINT, or rollback via EXEC CICS SYNCPOINT ROLLBACK, but this is not allowed in a transaction that is associated with an OTS transaction.

System action: CICS terminates the transaction abnormally. EXEC CICS HANDLE ABEND command cannot handle this abend.

User response: The error indicates an invalid attempt to syncpoint the transaction.

If DB2 is being accessed in the transaction, check that the DB2ENTRY or DB2CONN pool definition used by the transaction does not specify DROLLBACK(YES).

Module: DFHEISP

ASPF

Explanation: CICS issued an internal syncpoint request resulting in a syncpoint with an intersystem session which has returned ROLLEDBACK to recovery manager (RM) domain. As a result, the transaction is abnormally terminated because the unit of work which was being syncpointed has been backed out.

This could result from shutting down IRC or from the failure of a connected CICS region.

System action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2215 is sent to the terminal end user if possible, and message DFHAC2245 is sent to transient data destination CSMT.

User response: Determine why the remote intersystem session returned a ROLLEDBACK response to the syncpoint request. Once this has been corrected retry the transaction.
To avoid ASPF abends in future, ensure that no in-flight units of work exist before shutting down IRC.

**Module**: DFHAPAC

**ASPI**

**Explanation**: During CICS synchronization level 1 (synclevel 1) commit, an unexpected FMH or no data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

**System action**: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

**User response**: Examine the transaction dump to determine why the FMH was invalid or missing. It is likely that the error is in the remote system.

See the **CICS Family: Communicating from CICS on zSeries** for more information about syncpointing.

**Module**: DFHCR2U

**ASPJ**

**Explanation**: During CICS synchronization level 1 (synclevel 1) commit, unexpected syncpoint message data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

**System action**: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

**User response**: Examine the transaction dump to determine why the message data was invalid. It is likely that the error is in the remote system.

See the **CICS Family: Communicating from CICS on zSeries** for more information about syncpointing.

**Module**: DFHCR2U

**ASPN**

**Explanation**: A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives or issues an abend, or receives a backout request on a protected conversation.

**System action**: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2216 is sent to the terminal end user if possible, and message DFHAC2246 is sent to transient data destination CSMT.

**User response**: To avoid the transaction abend, the application should code an EXEC CICS SYNCPOINT command before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed, and the ROLLEDBACK condition returned on the EXEC CICS SYNCPOINT command. If this condition is then handled, a subsequent EXEC CICS RETURN will complete successfully. For LU6.1 conversations the application should issue an EXEC CICS FREE followed by an EXEC CICS SYNCPOINT ROLLBACK, in order to avoid a subsequent ASP8 abend.

**Module**: DFHAPAC

**ASPO**

**Explanation**: An intersystem session failed while a syncpoint was being taken. The intersystem session that failed was the link to the coordinator system. The failure occurred during the indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system, but is instead unilaterally committed. The unit of work is not shunted for one of the following reasons

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The unit of work is committed, rather than backed out, because the transaction definition specifies ACTION(COMMIT).

The fact that the unit of work is committed is remembered by the recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system committed or backed out, the recovery manager domain issues resynchronization messages reporting whether or not the resolution of the
The unit of work in the subordinate system was consistent with the coordinator system.

System action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are committed and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2202 is sent to the terminal end user if possible, and message DFHAC2232 is sent to transient data destination CSMT.

User response: Any updates performed by the unit of work are committed. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has backed out. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

Module: DFHAPAC

ASPP

Explanation: An intersystem session failed while a syncpoint was being taken. The intersystem session that failed was the link to the coordinator system, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system. Instead it is unilaterally backed out. The unit of work is not shunted for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The fact that the unit of work is backed out is remembered by recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system backed out or committed, the recovery manager domain issues resynchronization messages reporting whether or not the resolution of the unit of work in the subordinate system was consistent with the coordinator system.

System action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2203 is sent to the terminal end user if possible, and message DFHAC2233 is sent to transient data destination CSMT.

User response: Any updates performed by the unit of work are backed out. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has committed. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

Module: DFHAPAC

ASPQ

Explanation: During phase 2 of the two phase syncpoint protocol an error occurred while communicating with a remote system. The error occurred after the recoverable resources were committed or backed out, so data integrity is not in danger.

System action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work will have backed out or committed depending on the decision taken by the recovery manager (RM) domain, which was not influenced by this later problem. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2221 is sent to the terminal end user if possible, and message DFHAC2251 is sent to transient data destination CSMT.

User response: Refer to earlier messages issued by the communication or remote resource management components of CICS to determine the cause of the intersystem communication problem.

Module: DFHAPAC
ASPR

Explanation: Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

However, this CICS system has not updated any recoverable resources in the unit of work and hence does not require the unit of work to be shunted to await resynchronization of its resources later. The coordinator system commits or backs out its resources. No resources on this system need to be kept in step.

This error can occur with external resource managers connected to CICS via the resource manager interface (RMI) as well as CICS systems connected via LU 6.2, and MRO. If an external resource manager such as DB2 is the only recoverable resource updated in the transaction, the recovery manager (RM) domain can optimize the syncpoint protocol. In this instance, the external resource manager becomes the syncpoint coordinator. If the link to the external resource manager is lost during this time, CICS will be indoubt as to whether the external resource manager updates were committed or backed out.

System action: The transaction is abnormally terminated. There are no recoverable resources affected in this CICS system. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2222 is sent to the terminal end user if possible, and message DFHAC2252 is sent to transient data destination CSMT.

User response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Module: DFHAPAC

ASQB

Explanation: The CLS2 transaction was executing exchange log names or resynchronization with a remote system when a logic error occurred.

System action: The transaction is abnormally terminated with a transaction dump.

Message DFHRS2158 may also be issued.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRRSY

ASQC

Explanation: The CLS2 transaction was attached with an unexpected start code. The transaction can be attached due to terminal input (on a communications session), or via a system attach. Neither of these methods was used.

System action: The transaction is abnormally terminated.

User response: The error indicates an invalid attempt to start the transaction.

Module: DFHCRRSY

ASQD

Explanation: The CLS2 transaction was attached but could not use the transaction manager interface to obtain input parameters.

System action: The transaction is abnormally terminated.

User response: The error indicates a failure in the transaction manager. See the exception trace entries produced by the transaction managed to determine the reason for the error.

Module: DFHCRRSY

ASQE

Explanation: The CLS2 transaction was executing exchange log names with a remote system and 3 retry attempts have failed to solicit a warm exchange log names reply, in response to a warm exchange log names request sent by CICS.

System action: The transaction is abnormally terminated with a transaction dump.

User response: This abend indicates an error in the remote system. It should have saved the log name sent by CICS and, on receiving a later exchange lognames
request, should then respond with a warm reply.

**Module:** DFHCRRSY

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### ASQG

**Explanation:** The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was longer than expected.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** The abend indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. The transaction trace shows the preceding flows between the systems, which should match those documented in the SNA LU6.2 Reference: Peer Protocols manual, SC30-6808.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRRSY

---

### ASQH

**Explanation:** The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was shorter than the minimum length expected.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** This indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRRSY

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### ASQI

**Explanation:** The CLS2 transaction was executing the exchange lognames process as part of the initialization sequence for an APPC connection. An attempt to invoke the CICS recovery manager to save a logname failed.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** This indicates an error either in the CICS table manager, (which may have produced its own exception trace records) or in the resynchronization program itself. Look at the trace records and the CSMT message log for further information which might have indicated an error in the table manager program or in the table entry for the connection. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRRSY

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### ASQM

**Explanation:** A CICS internal logic error has occurred in the management of dynamic storage for the resynchronization program.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** This indicates that the
resynchronization program has exhausted the available space for recording storage areas. The symptoms may indicate that the program was looping without executing the error recovery process. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRRSY

ASRA

Explanation: The task has terminated abnormally because of a program check.

System action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001. Message DFHSR0622 may also be issued.

User response: Refer to the description of the associated message or messages to determine and correct the cause of the program check.

Module: DFHSRP

ASRB

Explanation: An operating system abend has occurred and CICS has been able to abend the current transaction.

System action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001.

User response: Refer to the description of the associated message to determine the cause of the original operating system abend, and take the necessary corrective action.

Module: DFHSRP

ASRD

Explanation: The task has been abnormally terminated for one of these reasons

• A program contains an assembler macro call which is no longer supported by CICS.
• An invalid attempt has been made to access the CSA or TCA.
• An attempt to access a TCA via field CSAQRTCA (previously CSACDTA) has been made.
• A non-assembler program has been wrongly defined to CICS as an assembler program.

This error appears as a program check.

System action: The task is abnormally terminated and CICS issues message DFHSR0618, followed by either DFHAP0001 or DFHSR0001.

User response: Change the application to use the CICS SPI commands to access information about CICS DB2 resource definitions.

Module: DFHSRP

ASRK

Explanation: The AP domain recovery stub, DFHSR1, has been invoked to deal with a program check, operating system abend, or another error within a transaction environment. However, DFHSR1 has been unable to call the system recovery program, DFHSRP, because register 12, which should be pointing to the task control area (TCA), is null. This indicates that the caller of DFHSR1, has not set the address of the TCA.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
**ATC1**

**Explanation:** The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ATC1.

**System action:** CICS writes a transaction dump for the terminal control restart task.

CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and DFHTC1001 to report that the task has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

**User response:** First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump. Use the messages and dumps to find out the cause of the failure.

**Module:** DFHTCRP

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**ATC2**

**Explanation:** A CICS z/OS Communications Server SET VTAM OPEN command has failed due to z/OS Communications Server rejecting a CICS request.

**System action:** Message DFHHC2302, DFHHC2304 or DFHHC2307 is sent to the console, and CICS terminates the transaction abnormally with a transaction dump.

**User response:** The RPL with the z/OS Communications Server request code and return code can be found in the RA pool addressed from TCTVRRA. After correcting the error, either retry the request or terminate CICS and restart the network in your own time.

**Module:** DFHZSLS

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**ATC3**

**Explanation:** A write to a TLX device was issued with a data length of 0 causing TIOA data length (TIOATDL) to be zero.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** For an error writing to a TLX device correct the error in the user program by ensuring that a data length for data to be placed in the terminal input/output area (TIOA) is provided at write time.

**Module:** DFHZSLS

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**ATC4**

**Explanation:** A serious CAVM error has occurred. The XRF TCB has abended.

**System action:** CICS abnormally terminates with a system dump.

**User response:** Use the dump and the guidance in any messages issued by other system components to diagnose and correct the original error.

See the CICS Problem Determination Guide for further guidance on using system dumps.

**Module:** DFHTCRP

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**ATC5**

**Explanation:** An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match the state which is jointly maintained by DFHETL and DFHZARM.

This problem could also arise when CICS is receiving application data. CICS may receive and end of chain notification before receiving all the data expected.

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHETL

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**ATC6**

**Explanation:** DFHETL has a SEND DATA request with a data length greater than 65528 bytes which is the maximum that it can process.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHETL

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**ATC7**

**Explanation:** DFHZSUP has detected a bad response from an INITIAL-CALL request to DFHZARL. This
response is returned to DFHZSUP in the DFHLUC parameter list.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Examine field LUCCDRCD in the DFHLUC parameter list. This appears in the ENTRY/EXIT trace points for DFHZARL. If trace is switched off, then it can be found in DFHZSUP's LIFO entry in the transaction dump.

- LUCCDRCD = 'A000100' - session failure
- LUCCDRCD = 'A0010100' - read timeout
- LUCCDRCD = 'A0010000' - deadlock timeout.

(The offset for LUCCDRCD can be found in CICS Data Areas).

If LUCCDRCD is X'00000000, the error is the result of a connection failure. In this case examine the CSMT log for further diagnostic information.

**Module:** DFHZSUP

**ATC8**

**Explanation:** An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

**Module:** DFHETL

**ATC9**

**Explanation:** A DFHKC RESUME macro call has been issued for a task without first issuing DFHKC SUSPEND. DFHKC RESUME must be preceded by DFHKC SUSPEND.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Examine the trace entry to locate the error.

**Module:** DFHZNCE

**ATCA**

**Explanation:** The system was in a final quiesce mode when the CICS application program issued a DFHTC macro.

**System action:** The task requesting the I/O is abnormally terminated with a CICS transaction dump.

**User response:** None.
**Module:** DFHZARQ

**ATCD**

**Explanation:** This abend code is used whenever a CTYPE request or a QUEUE request is issued and z/OS Communications Server or a ZCP function has not been included in the system.

It is also used to abend a task that issues an APPC command when the CICS system is not at a level to support APPC.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the transaction so that it does not issue a CTYPE macro instruction if z/OS Communications Server is not generated into the system, or include the ZCP function for which the CTYPE or QUEUE request was issued.

**Module:** DFHZDSP, DFHZERH

**ATCE**

**Explanation:** A CICS application program has issued a DFHTC request without specifying the address of a TIOA, but the request is not an ERASE ALL UNPROTECTED or a READBUF request for a 3270 data stream terminal.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Correct the error in the user program by ensuring that a terminal input/output area (TIOA) is provided at write time.

This is almost certainly an application program error. Determine the flow of control through the application and determine why a TIOA has not been specified.

**Problem determination:** A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAA addresses the TCTTE associated with this task. Register 8 and TCTTEDA should contain the address of the TIOA to be used in the I/O request, but actually they contain zero. For a 3270 data stream terminal, byte TCTETDST has bit TCTETTSI (X'01) set. An erase-all-unprotected request is indicated by the setting of bit TCTTEEUI (X'40) in byte TCTTEEUB, and a read buffer request is indicated by the setting of bit TCTTERBI (X'80) in byte TCTTERBB. **Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R10=0</td>
<td>TCTTE</td>
<td>TCTZARQ05 TCTTE does not contain the address of the TCA, indicating that this TCA is not owned by this task.</td>
</tr>
<tr>
<td>R8=0</td>
<td>TCTTE</td>
<td>TCTZARQ05 TCTTE does not equal the address of the TCA.</td>
</tr>
</tbody>
</table>

**Module:** DFHZARQ

**ATCF**

**Explanation:** A DFHTC CTYPE macro was issued to a non-z/OS Communications Server terminal control table terminal entry (TCTTE), or a DFHTC CTYPE=COMMAND or RESPONSE macro was issued to a z/OS Communications Server 3270 TCTTE.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that the program issues CTYPE macros to z/OS Communications Server terminals only, and does not issue CTYPE=COMMAND or RESPONSE to a z/OS Communications Server 3270.

**Module:** DFHZCRQ

**ATCG**

**Explanation:** A CICS application program has issued a DFHTC request for a terminal that it does not own. The problem of ownership may be because the task previously issued a WRITE,LAST request (which would have detached the terminal from that task) or because the task incorrectly specified the terminal to which the request is directed.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** This is most probably an application error (unless storage has been completely overwritten). Determine the flow from the trace table and when a request to the DFHZCP detach routine, DFHZDET, or a DFHTC WRITE,LAST was issued.

**Problem determination:** Register 12 addresses the current TCA and register 10 contains the address of the TCTTE. The address of the TCTTE was obtained either from TCAFCAA in the case of a non-ISC transaction, or from TCATPTA if bit TCATPTTA (X'40) is on in byte TCATPOC3 (this indicates that TERM=YES was specified on the DFHTC request and that this is an ISC transaction). In the TCTTE thus located, the field TCTTCE does not contain the address of the TCA, indicating that this TCA is not owned by this task.

**Analysis:** A DFHTC request has been issued specifying a TCTTE in which the field TCTTCE does not contain the address of the TCA.

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R10=0</td>
<td>TCTTE</td>
<td>TCTZARQ05 TCTTE does not equal the address of the TCA.</td>
</tr>
</tbody>
</table>

**Module:** DFHZARQ

**ATCH**

**Explanation:** The task was purged before a domain call was able to complete successfully. The task that first detected the purged condition provides an exception trace.
System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks, or to ensure data integrity. For example, CICS will purge a task which has made recoverable updates to a coupling facility data table if it determines that the coupling facility data table server for the pool in which that table resides has recycled, to ensure that all updates in the unit of work will be backed out.

Module: DFHBSM62 DFHBSS DFHBSSZ DFHBSTZ DFHBSTZV DFHBSTZ1 DFHBSTZ2 DFHTBSB DFHTBSBP DFHTBSD DFHTBSDL DFHTBSLP DFHTBSQ DFHTBSR DFHTBSRP DFHTBSSP DFHTCRP DFHTOASE DFHTOATM DFHTOCLR DFHTOLOUI DFHTOZCP DFHTRZJP DFHTRZPP DFHTRZXP DFHTRZYP DFHTRZZP DFHZCQCH DFHZCQDL DFHZCQIQ DFHZCQIS DFHZCQRS DFHZCQ00 DFHMRXM DFH62XM

Explanation: This abend is issued by DFHZATA in the following circumstances

- Transaction CATA is issued from a terminal
- The address of the AWE (TCAFCAA) is 0
- The AWE is invalid (TCTWETYP should be TCTTEAWE)
- An abend is issued early in DFHZATA.

This abend is issued by DFHZATD in the following circumstances

- Transaction CATD is issued from a terminal
- The address of the AWE (TCAFCAA) is 0
- TCAFCAA is an AWE and not a terminal
- An abend is issued early in DFHZATD.

This abend is issued by DFHZATR in the following circumstances

- Transaction CATR is issued from a terminal
- An abend is issued early in DFHZATD.

System action: CICS rejects the request.

User response: Determine the issuing program and the reason for the abend and take the appropriate action as follows

Do not try to invoke CATA, CATD or CATR from a terminal.

If the address in TCAFCAA is incorrect, the calling mechanism has failed. This is a CICS logic error.

If an abend has been issued, use the transaction dump to determine where the abend occurred. This is a CICS logic error.

Module: DFHZATA DFHZATD DFHZATR

Explanation: An application program has issued a WRITE to a z/OS Communications Server terminal specifying CCOMPL=NO without being authorized to do so.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Specify CHAINCONTROL in the transaction profile.

Module: DFHZARQ

Explanation: An error has occurred during automatic journaling or automatic logging of terminal messages to or from this transaction. The message being logged will be one associated with an explicit READ or WRITE in the application program.

System action: The transaction is abnormally terminated with a CICS transaction dump.
User response: Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Problem determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:
- X'0001' - WRITE
- X'0003' - PUT

Possible response codes are:
- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register | Label | Description
--- | --- | ---
R4=JCA | TCZARQJP | JCAJCRC is nonzero.

Module: DFHZSUP, DFH62XM, DFHTFXM

ATCO

Explanation: An application program has attempted to perform a function not supported by a terminal or system.

Possible errors are:
1. **SIGNAL not supported.**
   A DFHTC TYPE=SIGNAL request with the WAIT=YES option was issued to a z/OS Communications Server logical unit that CICS does not support for the receipt of the SIGNAL indicator.
2. **WRITE STRUCTURED FIELD not supported.**
   This write may have been attempted as a result of a SEND command with the STRFIELD keyword to a device that does not support this function.
3. **APPC mapped conversation not supported.**
   The application has attempted to perform a normal terminal control command on a session that is in use for an APPC unmapped conversation. (Only EXEC CICS GDS commands are permitted.)

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Correct the application program.

Module: DFHZARQ

ATCN

Explanation: An error has occurred during the automatic journaling or automatic logging of the initial input message of this transaction. This input message is the message that actually caused the transaction to be invoked.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Use the dump to ascertain why the log record could not be written correctly.

If a journal record length error is indicated, TIOATDL (X'08) may have been corrupted.

Problem determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:
- X'0001' - WRITE
- X'0003' - PUT

Possible response codes are:
- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

Analysis:

Register | Label | Description
--- | --- | ---
R4=JCA | TCZARQJP | JCAJCRC is nonzero.
TCZSUPJW | Journal error.

Module: DFHZSUP, DFH62XM, DFHTFXM

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ATCR • ATCV

greater than the length of the data that is read in by DFHZCP).

**Problem determination:** Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR containing the temporary storage response code. The temporary storage response code may be one of

- X'04' - IOERROR - I/O error
- X'08' - NOSPACE - No temporary storage space
- X'20' - INVREQ - Invalid request.

The temporary storage identification is constructed by concatenating the character string “DFHQ” with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSDI.

Register 8 and field TCTTEDA address the TIOA that is being written to temporary storage. The address passed to temporary storage is that of TIOATDL.

**Analysis:** After the DFHTS TYPE=PUTQ, the temporary storage response code was not zero.

**Register** | **Label** | **Description**
---|---|---
R12=0TCA | ZRAR90 | TCATSTR is not zero.

**Module:** DFHZRAR

**ATCS**

**Explanation:** An application program attempted to send data to a logical unit after a SIGNAL data flow command with an RCD (request change direction) has been received. This condition arises when the application handles the IGREQCD exceptional condition incorrectly.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Handle the IGREQCD exceptional condition correctly.

**Module:** DFHZARQ

**ATCT**

**Explanation:** An attempt to build a surrogate TCTTE to represent a remotely-owned terminal failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSUP DFHMRXM DFH62XM

**ATCU**

**Explanation:** An application program attempted to send data to a logical unit, but was in receive mode (EIBRECV is set), and read-ahead queuing was not specified in installed profile definition (RAQ=NO).

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Either change the application program to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition (If RAQ=YES is specified, ensure that all input messages are read before the transaction is terminated.)

**Module:** DFHZARQ

**ATCV**

**Explanation:** An application attempted an operation on a logical unit, but was not in the correct mode for one of the following reasons
1. When issued by DFHZARQ, CICS cannot perform the current request because another request is outstanding (EIBSYNC is set). This holds for APPC or non-APPC systems.

2. When issued by DFHETL, the application is communicating with an APPC system, and is not in the correct state to perform the attempted operation. This holds for APPC systems only.

3. When issued by DFHZISP, a TCTTE free was requested, and there is an outstanding sync point request. This holds for non-APPC systems only.

4. When issued by DFHZISP, a TCTTE free was requested, the TCTTE is in receive mode, and RAQ=NO was specified in the installed profile definition. This holds for non-APPC systems only.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** The response depends on the reason for the error as follows:

1. Issue a sync point and then issue the request.
2. Issue the free request and reallocate the session.
3. Either change the application to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition. (If you specify RAQ=YES in the installed profile definition, ensure that all input messages are read before the transaction is terminated.)
4. See the CICS Distributed Transaction Programming Guide where rules for the correct use of commands are given. Then correct the application.

The application program has attempted an operation on a logical unit that is invalid, because the program’s current status on the session with that logical unit does not permit it. An investigation of the TCTTE (that is, Session), status bytes, and TCA type of request bytes will reveal which of the above problems are relevant.

When the cause of the problem has been ascertained, the application program should be changed to ensure that the session-oriented information is acted upon before any further requests are sent across that session. The session status information is made available to the application program in the exec interface block (EIB) immediately following the execution of RECEIVE, CONVERSE, or RETRIEVE requests across the session. The relevant bytes must be tested, strictly in the order shown, and acted upon, before any further operations are attempted on the session. In addition, the status information bytes themselves are necessarily volatile in that they are reset before the execution of every EXEC CICS... statement. Thus it is good programming practice to save them into application user storage after a RECEIVE, CONVERSE, or RETRIEVE for later testing. The states are

1. **EIBSYNC**
   - the application must take a syncpoint

2. **EIBFREE**
   - the application must free the session (or terminate when the session will be freed automatically)

3. **EIBRECV**
   - the application must continue receiving data by issuing further RECEIVE commands; by definition, data cannot be sent while in this state.

Some of these status tests can sometimes be omitted (for example, testing of the EIBSYNC status is not essential if it is known that the application program on the remote system never issues sync point requests itself). However, the tests should always be carried out, particularly if the remote application might be amended at a future date, in which event the session handling logic may well be altered. Also, it may be that the remote transaction itself causes an unsuspected flow on the session. For example, if the remote program issues EXEC CICS SEND...... LAST across the session, followed by RETURN, a syncpoint request (RQD2) will be added onto the transmitted data. (The application programmer is referred to the CICS Distributed Transaction Programming Guide for a discussion of this topic). As a result of this addition, an unsuspected syncpoint request is received by the local application, which abend if the session is freed without the sync point request being honored. An ATCV abend is also raised by module DFHETL if a state error occurs during processing of an APPC mapped application (that is, the program attempts to perform an operation while in the wrong state). The handling of APPC mapped applications is described in the CICS Diagnosis Reference. Some commands are processed by DFHZARQ, as above, and others by various other modules invoked by DFHETL. Rules for using commands for APPC are given in the CICS Distributed Transaction Programming Guide. Reference to this guide should reveal the programming error.

**Problem determination:** Register 12 addresses the current TCA. Register 10 and field TCAFCAAA address TCCTE. The terminal byte TCTECRE has bit TCTEUCOM (X'02) set if sync point is required, and TCTEUFRT (X'04) set if Free Session is required; TCTESMDI has TCTEUSMD (X'02) set if the application is in SEND mode. TCTERCVI has TCTEURCV (X'01) set if the application is in RECEIVE mode. Bit TCTESRAQ (X'80) in byte TCTEIRAQ indicates that read-ahead queuing is coded on the installed profile definition for this transaction.

The type-of-request bits in the TCA are set as follows:

- TCATPOS1 TCATPOS (X'01) Signal requested.
  - TCATPFR (X'03) Free TCTE.
- TCATPOS2 TCATPORR (X'10) Receive requested.
  - TCATPOWR (X'01) Send requested.

**Analysis:**
Number | Label | Description
-------|-------|----------------------
DFHZARQ | TCZAQW8 | Attempting to receive when sync point or Free Session outstanding.
DFHZARQ | TCZAQ2W | Attempting to send while in receive mode.
ZARQNOPG | ZARQNOPG | Issuing SIGNAL while in send mode.
DFHZISP | ZISPVTCK | Attempting to free session while sync point request is outstanding.

Module: DFHETL, DFHZARQ, DFHZISP

**ATCW**

**Explanation:** The system has been generated without an installed profile definition for an LU6.1 or APPC session.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer of the error.

**Module:** DFHZSUP DFHMRXM DFH62XM

**ATCX**

**Explanation:** An error (INVALID, DISASTER, or EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

An application program that issues terminal control requests after an ATCX abend may cause further problems.

**System action:** The task is abnormally terminated with a CICS transaction dump. The z/OS Communications Server ACB is closed.

**User response:** Use the dump, the trace and the console message to diagnose and correct the original error. Retry the command when the earlier error is resolved.

**Module:** DFHZSLS

**ATD3**

**Explanation:** An incorrect response has been received from a call to the enqueue (NQ) domain during the processing of an ENQUEUE or a DEQUEUE request.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

**Module:** DFHTDB

**ATD9**

**Explanation:** An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

If the inbound FMH is from a system with an earlier release of CICS then you may need to set USEDFLTUSER. See the CICS RACF Security Guide for more information.

**Module:** DFHZARQ, DFHZSUP DFHMRXM DFH62XM

**ATD9**

**Explanation:** An incorrect response has been received from a call to the enqueue (NQ) domain during the processing of an ENQUEUE or a DEQUEUE request.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

**Module:** DFHTDB
terminated with a transaction dump.

**User response:** Examine the dump and any exception trace entries for further information. Since this is only used for internal enqueues, this abend indicates an error in CICS. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTDB

**ATDC**

**Explanation:** A transaction has issued an EXEC CICS READQ, WRITEQ or DELETEQ command against a logically recoverable transient data queue. The task was enqueued because another task currently owns the enqueue. While waiting to obtain the enqueue, the task was purged.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the transaction was purged. It may have been purged via CEMT or automatically, by DTIMEOUT for example.

**Module:** DFHETD

**ATDS**

**Explanation:** A deadlock timeout condition has been detected. This condition may occur within a transaction that specifies DTIMEOUT to be nonzero on its installed transaction definition. Deadlock timeout occurs when a transaction has been waiting or has been suspended for longer than the time specified in DTIMEOUT.

The abend is driven by the internal CICS event, ENQUEUE.

**Analysis:** The transaction receiving the ATDS abend must have been suspended after issuing an ENQUEUE request.

**System action:** The transaction is abnormally terminated. A dump is not provided (even if a dump table entry has been set up).

**User response:** The transaction should be reexecuted, and the situation causing the SUSPEND to occur may clear itself.

The ATDS abend is to be expected occasionally, unless DTIMEOUT is set to zero. No special action is necessary.

**Module:** DFHTDB

**ATDY**

**Explanation:** Transient data initialization has failed. A console message, DFH12xx, gives the reason for the failure.

**System action:** Transient data initialization terminates abnormally. This abend is always followed by an ATDZ abend for the failing function, and by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which prompts you to reply GO or CANCEL.

**User response:** See the associated console message for information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

**Module:** DFHTDRP

**ATDZ**

**Explanation:** A CICS function invoked by transient data initialization has failed. If the failing function is a transient data routine, this abend is preceded by a console message and an ATDY abend.

**System action:** Transient data initialization terminates abnormally. This abend is always followed by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which asks you to reply GO or CANCEL.

**User response:** Refer to the associated console message for further information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

**Module:** DFHTDRP DFHTDB

**ATFE**

**Explanation:** A FREEMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

**System action:** CICS abnormally terminates the task with a transaction dump.

**User response:** Use the dump and any associated messages issued by the storage manager to investigate the FREEMAIN failure.

**Module:** DFHTOUT1

**ATGE**

**Explanation:** A GETMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

**System action:** CICS abnormally terminates the task with a transaction dump.

**User response:** Use the dump and any associated messages issued by the storage manager to investigate the GETMAIN failure.

**Module:** DFHTOUT1
**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

**Module:** DFHTMP

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message from the domain that detected the original error.

**Module:** DFHTMP

---

**Explanation:** A terminal operator entered the transaction identification for NACP.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Do not reenter the NACP transaction identification (CSNE).

**Module:** DFHZNAC, DFHZARQ, DFHZARL, DFHZSUP

---

**Explanation:** The node error program (NEP) or NACP decides that a task should abnormally terminate, but the task is at a critical point of processing and immediate termination would put the integrity of the system at risk.

**System action:** The task is abnormally terminated with a CICS transaction dump when the task next requests any action against the terminal, or issues a sync point request involving the terminal.

**User response:** Check destination CSMT for possible further information. Use the dump to determine why the task was abnormally terminated by NEP.

**Module:** DFHZARQ, DFHZARL, DFHZSUP

---

**Explanation:** There are two forms of this abend

**z/OS Communications Server (VTAM) form**

The node error program (NEP) or NACP decides the task should be abnormally terminated. DFHZNAC informs the request module to abend the transaction after the TC unit has completed.
**Non-z/OS Communications Server (VTAM) form**
The terminal error program (TEP) or terminal abnormal condition program (TACP) decides the task should be abnormally terminated. DFHTACP informs DFHZARQ to abend the transaction after the TC unit has completed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** This usually occurs when, due to a hardware failure, a network device rejects the data stream sent to it. The device itself may indicate an error code that will give a specific reason for the rejection. Check the CSMT log for further information.

This abend can also result from an error in a connected system such as a mirror transaction abend.

Abend ATNI can occur if a user application does not correctly handle an error return code from an external resource manager, such as DB2.

For the NEP (z/OS Communications Server) form, run a z/OS Communications Server trace type=BUF for the logical unit and repeat the error.

For the TEP (non-z/OS Communications Server) form, run a link trace for the line or local channel address for the device.

Examine the data stream and error response to determine the cause of the error.

This type of error occurs if the definitions in the TCT do not match the attributes of the actual device.

**Module:** DFHZARL, DFHZARM, DFHZARQ, DFHZRAQ, DFHZSUP

**ATOA**

**Explanation:** You have attempted to invoke the CESC transaction with a terminal as principal facility. This is not allowed.

**System action:** CICS terminates the CESC transaction. No dump is produced.

**User response:** Ensure that the CESC transaction is not run against a terminal.

**Module:** DFHCESC

**ATOB**

**Explanation:** CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CESC) request. This is caused by an internal error.

**System action:** CICS terminates the CESC transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCESC

**ATOC**

**Explanation:** CICS has received an abnormal response from a request to DFHZCUT to timeout a local userid table (LUIT). This is caused by an internal error in DFHZCUT.

**System action:** CICS terminates the CESC transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCESC

**ATOD**

**Explanation:** CICS has received an abnormal response from an EXEC CICS CANCEL TRANSACTION(CESC) request.

**System action:** CICS terminates the CESC transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCESC

**ATOE**

**Explanation:** CICS cannot determine the time at which an XRF takeover began.

**System action:** CICS terminates the CESC transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCESC

**ATOF**

**Explanation:** CICS has received an abnormal response from an EXEC CICS DELAY TRANSACTION(CESC) request.

**System action:** CICS terminates the CESC transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCESC

**ATOG**

**Explanation:** CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CEGN) request. This is caused by an internal error.

**Module:** DFHCESC
**ATOH**

**Explanation:** An attempt has been made to invoke the CESC transaction with an invalid function code. The CESC transaction should only be invoked by CICS. Valid codes are TERM_TIMEOUT, XRF_TIMEOUT, and ENABLE_TIMEOUT.

The most likely cause of this error is an invalid attempt by a user to invoke CESC.

**System action:** CICS terminates the CESC transaction with a transaction dump.

**User response:** Determine how CESC was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**ATOH**

**Explanation:** The CEGN transaction has attempted to issue an EXEC CICS GETMAIN, ASSIGN, or SEND but the command has failed.

**System action:** CICS terminates the transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCEGN

**ATPV**

**Explanation:** The CEGN transaction has attempted to issue an EXEC CICS RETURN but the command has failed.

**System action:** CICS terminates the transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCEGN

**ATPG**

**Explanation:** The CEGN transaction has attempted to issue an EXEC CICS GETMAIN, ASSIGN, or SEND but the command has failed.

**System action:** CICS terminates the transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPR.

**ATPC**

**Explanation:** An error occurred when trying to retrieve a CICS message from the message domain.

**System action:** CICS terminates the transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPR.

**ATPO**

**Explanation:** An error occurred when trying to estimate the length of a CICS message owned by the message domain.

**System action:** CICS terminates the transaction with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPQ.
ATPD

Explanation: An error occurred when trying to retrieve a CICS message from the message domain.

System action: CICS terminates the transaction with a dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHTPQ.

ATPE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

Module: DFHTPQ, DFHTPR.

ATPF

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message produced by the domain that detected the original error.

Module: DFHTPQ, DFHTPR.

ATRA

Explanation: The field engineering global trap exit program, DFHTRAP, requested task abnormal termination. However, the currently active task was not a system task (for example, task dispatcher) and it was not about to abend.

System action: CICS disables the trap exit so that it will not be reentered, and terminates the currently active task abnormally.

User response: This is a user-requested task abend.

If you want to use the trap again, you must reactivate it as follows

CSFE DEBUG,TRAP=ON

You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHTRP

ATSA

Explanation: The transaction CTSD was attached other than by an internal request from the TS domain.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Investigate why the CTSD transaction was started. This transaction is intended for CICS internal use only and should not be started by a user or from a terminal.

Module: DFHTSDQ

ATSB

Explanation: The transaction CTSD was attached with invalid parameters.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHTSDQ

ATSC

Explanation: The task was canceled during execution of a temporary storage command.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Investigate the reason the task was canceled. The task has been canceled by the master terminal operator or automatically by either the deadlock timeout (DTIMEOUT) mechanism or the read
timeout (RTIMOUT) mechanism.
Module: DFHEITS, DFHICP, DFHTSP

ATSD
Explanation: An INVALID or DISASTER response was received from a request to the Temporary Storage (TS) Domain.
System action: The transaction is terminated with a CICS transaction dump.
User response: There has been an earlier failure which lead to the response from TS. Investigate the earlier failure (which is accompanied by a console message and a system dump).
Module: DFHEITS, DFHICP, DFHTSP

ATSP
Explanation: A task has attempted to issue a WRITEQ TS request for a recoverable TS queue that has already been deleted in the same unit of work.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Correct the application to avoid issuing a WRITEQ TS request to a recoverable queue in a unit of work in which the queue has already been deleted.
Module: DFHEITS, DFHICP, DFHTSP

ATSQ
Explanation: A move of data to or from temporary storage has failed. The probable reason is that the size of the area being passed to CICS is inconsistent with the data length being used.
System action: The transaction is abnormally terminated with a CICS transaction dump.

AUxx abend codes

AUEL
Explanation: Internal logic error in CICS user exit management. This arises when an attempt to obtain or release the lock on the chain of EPB’s fails unexpectedly.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHUEM, DFHERM.

AUPE
Explanation: The task has been abnormally terminated because a return code of UERCPURG has been sent to the User Exit Handler by a User Exit Program. The value of UERCPURG is defined by the macro DFHUEXIT TYPE=EP, ID=xxxxxxxx, where xxxxxxxx is the exit point by which the exit program is enabled. This code does not apply to exit points in domains. The exit program returns this value when it has made a request for CICS services using the exit programming Interface (XPI) and when the XPI call has had a RESPONSE code of PURGED. Exit programs must not set UERCPURG return code under any other circumstance.
System action: The task is abnormally terminated
with a CICS transaction dump.

**User response:** Refer to the CICS Customization Guide for the use of this return code.

**Module:** DFHUEH

---

### AW2A abend codes

**AW2A**

**Explanation:** The DFHW2A Web2.0 alias program ran in a transaction that was not attached by CICS Web support. This is typically caused by attempting to issue the CW2A transaction directly from a terminal. This is not supported.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Do not attempt to run the CW2A transaction from a terminal.

**Module:** DFHW2W2

---

**AW2B**

**Explanation:** The CICS-supplied Atom service routines use the transaction work area to contain the responses that are returned to the Atom feed manager. The service routine has determined that the transaction work area is too small to contain the required responses.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Copy the definition of transaction CW2A from the DFHWEB2 group. Increase the value of TWASIZE in the copied definition. The value must be at least five times the size of the maximum selector value that is returned by the service routine. When the resource being delivered is a CICS file, the selector length is determined by the key length of the file and the selector format specified on the cics:selector format attribute in the ATOMSERVICE configuration file. If the format attribute is "hexadecimal", the selector length is twice the key length, otherwise it is equal to the key length.

After modifying TWASIZE, install the new definition for CW2A.

**Module:** DFHW2F1, DFHW2TS

---

**AWB2**

**Explanation:** The CICS Web Interface has encountered an error while performing a transaction attach call for the alias task.

**System action:** Message DFHWB0727 describing the error is written to the CWBO transient data destination and a trace entry is made.

**User response:** See the associated message for guidance.

**Module:** DFHWBXN

---

**AWB3**

**Explanation:** CICS Web transaction, CWXN, has been illegally started either with data, or by a user at a terminal, with the wrong start code.

**System action:** The CICS Web Interface is not started.

**User response:** CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

**Module:** DFHWBXN

---

**AWB4**

**Explanation:** The CICS Web Transaction Execution has received a bad response from an INQUIRE_TRANSACTION call to determine the start code for the CWXN transaction.

**System action:** The CICS Web Interface is not started.

**User response:** CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

**Module:** DFHWBXN

---

**AWB5**

**Explanation:** The CICS Web Interface Server Controller could not continue with enable processing because the requested port is not available.

**System action:** An exception trace entry 4106 is written, and message DFHWB0131 is issued.

**User response:** Terminate the TCP/IP application which is using the requested port, and use CBWB to enable the feature again, or use CWBC to enable the CICS Web Interface using a different port number.

**Module:** DFHWBM

---

**AWB7**

**Explanation:** The CICS Web Interface environment variables program was invoked, but the invoking transaction does not appear to be executing in a valid Web environment.

**System action:** The program writes an exception trace point 4623.

**User response:** Determine how the environment variables program was invoked. It is only meaningful to execute the program from a transaction that has been
initiated from the Web, either through the CICS Web Interface or through the Business Logic Interface.

**Module:** DFHWBENV

**AWB8**

**Explanation:** The CICS Web Interface environment garbage collection task CWBG has been started directly from a terminal. This is not permitted.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** None.

**Module:** DFHWBGB

**AWB9**

**Explanation:** The CICS Web Interface connection manager failed due to lack of storage.

**System action:** A transaction dump is taken.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHWBC01

**AWBA**

**Explanation:** CICS Web Receive process has received an exception response from the Web Send Receive function, DFHWBSR, which could be one of the following errors

- An error in the Analyzer program
- No Analyzer program specified
- Unable to link to Analyzer program
- An Analyzer data length error
- An Analyzer header length error
- A codepage conversion error
- A storage error occurred
- An error that the connection has been closed
- A sockets receive error

**System action:** An error message is sent to the client and the CWBO transient data queue.

**User response:** Refer to any error messages accompanying this abend to determine why the abend has occurred.

**Module:** DFHWBXN

**AWBB**

**Explanation:** The incoming parameter list to the CICS Web Business Logic Interface program is not in the expected format. At present, the structure is assumed to be fixed and only a single version level is recognized.

**System action:** The CICS Web Business Logic Interface program is not executed.

**User response:** Ensure that the program receives a parameter list in the correct format.

**Module:** DFHWBBLI
AWBH

Explanation: The CICS Web Interface alias detected a logic error.

System action: An exception trace entry 454F is written. Message DFHWB0106 is written to the CWBO destination. A CICS transaction dump is taken.

User response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBI

Explanation: The CICS Web Interface alias received an unexpected response from EXEC CICS ASSIGN STARTCODE

System action: An exception trace entry 4544 is written. Message DFHWB0102 is written to the CWBO destination.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHWBA

AWBJ

Explanation: The CICS Web Interface alias received an unexpected response when it switched to the RP TCB.

System action: An exception trace entry 454E is written. Message DFHWB0105 is written to the CWBO destination.

User response: See the associated message for guidance.

Module: DFHWBA

AWBK

Explanation: The CICS Web Interface alias detected an abend in the converter or the CICS program servicing the request.

System action: An exception trace entry 4550 is written. Message DFHWB0108 is written to the CWBO destination.

User response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBL

Explanation: The CICS Web Interface alias detected an error in an EXEC CICS LINK command for program DFHWBBLI.

System action: An exception trace entry 4543 is written. Message DFHWB0101 is written to the CWBO destination. A transaction dump is taken.

User response: See the associated message for guidance.

Module: DFHWBA

AWBN

Explanation: The CICS Web Interface alias detected an error response from the Business Logic Interface program DFHWBBLI.

System action: Message DFHWB0101 is written to the CWBO destination. A transaction dump is taken.

User response: See the associated message for guidance.

Module: DFHWBA

AWBO

Explanation: The CICS Web Interface alias program has received a non-HTTP request for an HTTP service or a SSL request has been sent to a non-SSL TCPIPSERVICE.

System action: Message DFHWB0114 is written to the CWBO transient data destination and a transaction dump is taken. An exception trace entry, 4567, is also written.

User response: See the associated message for guidance.

Module: DFHWBA

AWBP

Explanation: The CICS Web Interface alias has detected that the application has started sending a chunked response over the socket but has not terminated the sequence of web send chunk commands with a zero length chunk.

System action: A transaction dump is taken.

User response: Check the application to see why the terminating chunk was not sent.

Module: DFHWBA
AWBQ  •  AWC3

AWBQ

Explanation: The CICS Web Business Logic Interface program detected an error in its parameter list.

System action: If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry '4581' is made and message DFHWB0119 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry '4560' is written and message DFHWB0124 is sent to the CWBO destination. A transaction dump is taken.

User response: See the associated message for guidance.

Module: DFHWBA1, DFHWBBLI

AWBR

Explanation: The CICS Web Business Logic Interface program detected a logic error.

System action: If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry '4583' is made and message DFHWB0118 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry '4558' is written and message DFHWB0123 is sent to the CWBO destination.

User response: Use related diagnostics to determine the user response.

Module: DFHWBA1, DFHWBBLI

AWBU

Explanation: The CICS Web Interface connection manager could not get storage to send a message to the terminal.

System action: Processing continues.

User response: Use related diagnostics to determine the user response.

Module: DFHWBC01

AWBV

Explanation: The CICS Web Interface connection manager detected an error response on EXEC CICS DEQ.

System action: An exception trace entry 4345 is written. Message DFHWB1651 is written to the CWBO destination.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHWB01

AWBX

Explanation: The CICS Web Interface connection manager was started against an invalid terminal type.

System action: An exception trace entry 4308 is written. Message DFHWB1522 is written to the CWBO destination.

User response: See the associated message for guidance.

Module: DFHWBC01

AWBZ

Explanation: The CICS Web Interface connection manager detected a NOTAUTH response to EXEC CICS EXTRACT EXIT.

System action: Message DFHWB1902 is written to the CWBO destination.

User response: See the associated message for guidance.

Module: DFHWBC0B

AWC1

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT could not establish a partnership with the Web terminal translation task which started the abended transaction.

System action: An exception trace entry 4106 is written, and message DFHWB0131 is issued.

User response: Use related diagnostics to determine the user response. On a busy CICS region, the most likely cause is that the bridged transaction started after the state data had been discarded by Web 3270 garbage collection process.

Module: DFHWBLT

AWC2

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT was passed an invalid state token by attach processing.

System action: An exception trace entry 410C is written, and message DFHWB0130 is issued.

User response: Use related diagnostics to determine the user response. On a busy CICS region, the most likely cause is that the bridged transaction started after the state data had been discarded by Web 3270 garbage collection process.

Module: DFHWBLT

AWC3

Explanation: An application using the CICS Web 3270 function issued an unsupported combination of BMS and Terminal Control commands.

System action: An exception trace entry is written.
**AWC4**

**Explanation:** The CICS Web Interface 3270 bridge exit DFHWBLT has been reinvoked after returning an earlier error.

**System action:** An exception trace entry is written.

**User response:** Use related diagnostics to determine the user response.

**Module:** DFHWBLT

**AWC5**

**Explanation:** The CICS Web Interface 3270 bridge exit DFHWBLT abended during attach processing because it could not getmain a brxa user area.

**System action:** Message DFHWB0132 is issued, and an exception trace entry 410D is written.

**User response:** Use related diagnostics to determine the user response. The most likely cause of this abend is that CICS is having storage problems.

**Module:** DFHWBLT

**AWC6**

**Explanation:** The CICS Web Interface 3270 bridge exit DFHWBLT has detected an inconsistency in its request parameters or state data.

**System action:** Message DFHWB0133 is issued, and an exception trace entry is written.

**User response:** Use related diagnostics to determine the user response. The most likely cause of this abend is a storage overwrite.

**Module:** DFHWBLT

**AWC7**

**Explanation:** CICS detected an error during transaction initialization for a CICS Web alias transaction.

**System action:** Message DFHWB0360 is issued. No transaction dump is taken for this abend.

**User response:** Use related diagnostics to determine the user response. The most likely cause of this abend is an invalid userid being passed to CICS by the CICS Web Interface Analyzer user replaceable module. The userid is invalid if
- It is not defined in the external security manager
- It is revoked
- It is not authorized to access this CICS region

**Module:** DFHWBXM

**AWC8**

**Explanation:** CICS detected an error during transaction initialization for a CICS Web alias transaction.

**System action:** A transaction dump is taken for this abend.

**User response:** Use related diagnostics to determine the user response.

**Module:** DFHWBXM

**AWC9**

**Explanation:** CICS detected an error during transaction initialization for a CICS IPCONN acquire server-side transaction.

**System action:** A severe error message and system dump should have preceeded this abend.

**User response:** Use related diagnostics to determine the cause of the problem.

**Module:** DFHWBXM

**AWKY**

**Explanation:** A request to PURGE or WRITE a record using the global catalog during warm keypointing has failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check for problems with the global or local catalog. See any DFHCCnnnn messages issued by the CICS catalog domain for further guidance.

**Module:** DFHWKP

**AWSH**

**Explanation:** A BTS activity that represents a stage in the SOAP Feature pipeline was found by the pipeline manager to be in an incorrect state.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that user-written programs in earlier pipeline stages use the correct BTS protocols.
Module: DFHWSRT

AWSL
Explanation: The SOAP Feature inbound pipeline manager could not link to the message adapter.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check previous CICS messages to determine why the message adapter could not be linked to.
Module: DFHWSMI

AWSN
Explanation: An EXEC CICS DEFINE COUNTER or EXEC CICS GET COUNTER command has returned a bad response.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check the options table DFHNCOPT for possible errors. Look in the CICS job log for any AXMSCnnnn messages.
Module: DFHWSDSH

AWSP
Explanation: An application making a Web Service request passed a SOAPAction HTTP request header exceeding 256 bytes in length to the SOAP Feature pipeline.
System action: The task is abnormally terminated.
User response: Check that SOAPAction headers exceeding 256 bytes in length are not constructed by applications invoking Web Services.
Module: DFHWSRT

AWSQ
Explanation: This is normal behavior when a user stage of the pipeline abends.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Correct the user abend.
Module: DFHWSMI

AWSR
Explanation: Either the TARGET-URI or the REQUEST-BODY container was not found when an application invoked the SOAP Feature pipeline to make a Web Service request.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check that the application making the Web Service request supplies the required containers.
Module: DFHWSRT

AWSS
Explanation: The SOAP Feature service provider pipeline was requested to invoke the message adapter under a different transaction ID or user ID to the pipeline, but was unable to satisfy the request.
System action: The task is abnormally terminated.
User response: Check that transaction ID and user ID requested are valid, and that the user ID with which the pipeline is running is a surrogate of the requested user ID.
Module: DFHWSMI

AWST
Explanation: The HTTP or WebSphere MQ transport stage of the SOAP Feature pipeline has encountered an input or output error.
System action: The task is abnormally terminated.
User response: Use CICS or WebSphere MQ messages to help you determine the cause of the problem. The error may be transient, in which case you can retry.
Module: DFHWSTOH

AWSU
Explanation: An invalid URI was passed to the SOAP Feature requester pipeline as the location of a Web Service provider.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check that applications making Web Service requesting specify valid URIs for locations of Web Service providers.
Module: DFHWSRT

AWSY
Explanation: A problem was encountered in the DFHPIRT outbound router program. This usually implies that one of the containers used by DFHPIRT was not populated correctly.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Check that applications using DFHPIRT correctly populate the control containers required for pipeline processing.
Module: DFHPIRT
AXxx abend codes

AXF0

Explanation: A task has been purged due to lack of storage in a dynamic storage area (DSA).

System action: The task is abnormally terminated with a transaction dump.

User response: Try the transaction again later.

If the short-on-storage condition persists, consider increasing the size limit of the CICS DSAs. You can vary the DSAs dynamically using the DSALIM and EDALIM parameters on the CEMT master terminal command.

Module: DFHXFP

AXF1

Explanation: The storage manager module, DFHSMGE, has returned a condition not expected by DFHXFP.

System action: The task is abnormally terminated with a transaction dump.

User response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF2

Explanation: A task has been purged due to lack of storage in the DSA.

System action: The task is abnormally terminated with a transaction dump.

User response: Try the transaction again later.

If the short-on-storage condition persists, increase the size of the dynamic storage area using the DFHSIT DSA parameter.

Module: DFHXFP

AXF3

Explanation: The storage manager module DFHSMMC has returned a condition not expected by DFHXFP.

System action: The task is abnormally terminated with a transaction dump.

User response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF4

Explanation: The task was purged before a GET_BUFFER request to the EXEC interface service routines module (DFHEISR), was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXFX

AXF5

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the EXEC interface service routines module (DFHEISR). The domain that detected the original error provides an exception trace, a console message, and possibly, a system dump (depending on the options specified the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: See the related message from the domain that detected the original error.

Module: DFHXFX

AXF8

Explanation: A keyword such as TOKEN, CONSISTENT, REPEATABLE, UNCOMMITTED, or NOSUSPEND has been specified on a file control command for shipping to a system which does not support these functions.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Ensure that CICS in the file-owning
region is at the correct level.

Module: DFHXFX

**AXFA**

**Explanation:** The key length for a file control request that is to be sent to a remote system has to be obtained from the file control table, and has proved to be zero.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Ensure that the key length has been defined either in the remote file definition that is being used, or as a length option from the application program that is using it.

Module: DFHXFP

**AXFB**

**Explanation:** An unacceptable function management header (FMH) type has been found. It must be type 05, type 06, or type 43.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFC**

**Explanation:** The request passed to the data transformation program is unknown to CICS. This abend can also occur in an MRO/IRC system as a result of an invalid EXEC CICS START request issued from the user's node error program (DFHZNEP).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the CICS Customization Guide for restrictions on the use of EXEC CICS commands from within an NEP. If this is not the cause of the abend, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFD**

**Explanation:** The request that is passed to the data transformation program cannot be sent to a remote system; for example, a storage control request.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFE**

**Explanation:** The transformation requested does not exist; for example, a DL/I schedule reply is not recognized by the outbound request processor in the data transformation program.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFF**

**Explanation:** An unacceptable queue organization has been found in a queue model function management header (FMH).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFG**

**Explanation:** An unacceptable argument number has been found in the data following a function management header (FMH) of type 43.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

**AXFH**

**Explanation:** The argument number in the data following a function management header (FMH) of type 43 is acceptable, however, the argument itself is not expected.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP
**AXFI**

**Explanation:** The data length for a WRITEQ TD or READQ TD is zero. The abend can also occur when determining the length for file control requests.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer.

**Module:** DFHXFP

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**AXFJ**

**Explanation:** The error code held in UIBFCTR and UIBDLTR cannot be converted to an equivalent SNA error code.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

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**AXFL**

**Explanation:** Transformers 2 and 4 expect to receive a function management header (FMH), possibly followed by user data. A null chain of data has been received.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

---

**AXFM**

**Explanation:** The ISCINVREQ condition has been raised. This can happen when the resource proves to be on yet another remote system, that is, when daisy-chaining is active.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that daisy-chaining of requests is intended and that all relevant intersystem links are in service.

**Module:** DFHXFP

---

**AXFN**

**Explanation:** The user domain module, DFHUSAD, has returned a condition not expected by DFHXFX.

**System action:** The task is abnormally terminated with a transaction dump.

**User response:** Look for any related CICS messages, abends or exception traces to determine if there has been a prior failure in user domain or security domain.

**Module:** DFHXFX

---

**AXFP**

**Explanation:** CICS requires a second function management header (FMH) to follow an attach FMH. No second FMH was received.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer.

**Module:** DFHXFP

---

**AXFQ**

**Explanation:** Either the function management header (FMH) just received is too short or too long to be a valid FMH, or an expected FMH is not present.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that the transaction profile parameter, INBFMH, is set to ALL. If communicating across a distributed program link, ensure that the requested function is supported on the partner system.

**Module:** DFHXFP

---

**AXFR**

**Explanation:** The CICS command level interface imposes a maximum length of 32/767 for data. The length of the data just received exceeds this limit.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Notify the system programmer.

**Module:** DFHXFP
AXFS
Explanation: A PSB has been scheduled successfully. However, the maximum possible length of an I/O area exceeded 65:535. This abend is likely to occur if path calls are used to retrieve large segments, and/or if FLS causes excessive expansion of segments.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Notify the system programmer.
Module: DFHXFP

AXFT
Explanation: An estimate of the size of the output I/O area has been made, and it exceeds the maximum possible size of 65:535. While the estimated size may exceed the actual size, the difference will only be a few bytes.
This abend is likely to occur if a database calls, inserts, or replaces multiple segments, and many qualified segment search arguments are specified.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: Notify the system programmer.
Module: DFHXFP

AXFU
Explanation: A two-level cursor is present in a function management header (FMH) relating to a linear (temporary storage) queue. However, these cursors are valid only for hierarchical queues that are not supported by CICS.
System action: The task is abnormally terminated with a CICS transaction dump.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHXFP

AXFY
Explanation: A function shipping request by an APPC link failed because
- the remote system does not support full syncpoint protocols, or
- the exchange log name sequence could have failed, resulting in a mismatch, or
- the request has not completed within the allocated time (10 seconds).
System action: CICS terminates the task abnormally.
User response: Check that the request was directed to the correct remote system, and that the remote system is set up to support full syncpoint protocols (synclevel 2).
Module: DFHXFP

AXGA
Explanation: Program DFHAPCR has returned an unexpected response. DFHAPCR performs the following functions:
- Extracts the contents of all containers making up a channel and transmits them to a remote system.
- Recreates the channel and containers from inbound data received from a remote system.
System action: The task is abnormally terminated with a transaction dump.
User response: Check for an invalid or zero length specified in a CICS command-level request, or for data truncation in a user-written node error program (NEP).
Module: DFHXFP
DFHAPCR has either detected an error in inbound data or has received an unexpected response whilst extracting or recreating channel data.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Look for any related CICS messages and abends to determine if there has been a prior failure in Program Manager, which manages containers. Look for exception trace entries from Program Manager or DFHAPCR to determine the cause of the error.

**Module:** DFHXFX, DFHXFP

---

**AXMA**

**Explanation:** An error has occurred obtaining a lock within the transaction manager domain.

**System action:** The recovery routine of the module in control is invoked which issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

**User response:** See the description of message DFHXM0002 for further guidance.

**Module:** DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMDL, DFHXMQD, DFHXMA, DFHXMTA, DFHXMXD, DFHXMXE

---

**AXMB**

**Explanation:** An error has occurred releasing a lock within the transaction manager domain.

**System action:** The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

**User response:** See the description of message DFHXM0002 for further guidance.

**Module:** DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMDL, DFHXMQD, DFHXMA, DFHXMTA, DFHXMXD, DFHXMXE

---

**AXMC**

**Explanation:** An severe error has occurred allocating a unique transaction number to a new transaction.

**System action:** The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

**User response:** See the description of message DFHXM0002 for further guidance.

**Module:** DFHXMAT, DFHXMXE

---

**AXMD**

**Explanation:** An attempt has been made to run the CICS internal task CSXM as a user transaction.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Investigate why the attempt was made to run CSXM as a user transaction.

**Module:** DFHXMAB

---

**AXMU**

**Explanation:** During transaction attach the userid that had been assigned to the transaction was found to be invalid.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Determine how the invalid userid had been assigned to the transaction. It might have been output by a user-replaceable module.

**Module:** DFHXMAT

---

**AXMY**

**Explanation:** During transaction attach an unexpected error occurred obtaining transaction class membership.

**System action:** The transaction is no longer considered for class membership. It is then abnormally terminated with a CICS transaction dump.

**User response:** Use the dump to determine why the transaction failed to obtain membership of its transaction class.

**Module:** DFHXMAT

---

**AXMZ**

**Explanation:** A serious failure in another component has been detected by the transaction manager domain.

**System action:** The task in control is abnormally terminated with a transaction dump. Further diagnostics should have been taken by the failing component.

**User response:** Look for earlier messages identifying the source of the problem. Refer to the descriptions of these messages for further guidance.

**Module:** DFHXMTA

---

**AXSA**

**Explanation:** The CICS security control task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AXSA.
**AXSC • AXTD**

**System action:** CICS writes a transaction dump for the security control restart task.

CICS sends messages to the console, one to identify the error detected by the security control task, and, if the error occurred during initialization, one to say that security initialization or CEMT PERFORM SECURITY REBUILD has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

**User response:** First, if CICS has requested a response, you must reply. If you reply ‘GO’, CICS continues processing, but without support for the external security manager. CICS security still operates. If you reply ‘CANCEL’, CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

**Module:** DFHXSMN

---

**AXSC**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHXSMN

---

**AXT**

**Explanation:** An attempt to obtain a buffer to ship data has failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHAPRX, DFHXTP

---

**AXTC**

**Explanation:** An attempt to transform data ready for shipment has failed.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHAPRX, DFHXTP

---

**AXTD**

**Explanation:** No buffer was received from a remote system.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHAPRX, DFHXTP
AXTE

Explanation: Incorrect data was received from a remote system. The data was not long enough.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTF

Explanation: No relay process function management header (FMH) was received from the remote system.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTG

Explanation: Transformation of data received from remote system failed.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that the reason for failure of the transformation process was not incorrect definition of the remote terminal. In particular check that the user area length specified for the terminal is the same in both local and remote systems. If the terminal definitions are correct, you need further assistance to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTH

Explanation: An attempt to locate terminal identifier failed.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTI

Explanation: The major request byte LUCPN0 of the DFHLUC parameter list specified to the transaction-routing transformer is invalid, or corresponds to a request that is not shipped to a remote system. The parameter list will be found in the dynamic storage of the transformer's caller and may be located using the output from auxiliary trace.

System action: The task is abnormally terminated with a transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTJ

Explanation: An unexpected combination of bit settings in the fields XTSSTAT and XTSTCOPC in the parameter list of the transaction-routing transformer was made.

System action: The task is abnormally terminated with a transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTK

Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXTP

AXTL

Explanation: The processing of APPC mapped data requires the generation of an APPC attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that

- The CONNECTION resource for the remote system has not been defined as single-session.
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the command CEMT
AXTM • AXTQ

INQUIRE CONNECTION to do this. See the CICS Intercommunication Guide for more details of the exchange lognames process.

• The correct sync level has been requested.

Module: DFHXTP

AXTM

Explanation: An attempt has been made to route a message-protected transaction over an APPC link bound at sync level 1. The attempt has failed because such transactions can be routed only over an APPC link that has been bound at sync level 2.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: If the transaction is to be routed to CICS OS/2 (which is bound at synclevel 1), remove the message protection option. If the transaction is to be routed to another host system and message protection is required, the link must be redefined so that it can be bound at synclevel 2.

Module: DFHXTP

AXTN

Explanation: The transaction-routing transformer module detected that the application buffer chained off a TCTTE at offset TCTERCSA has a corrupted header. This is caused either by a CICS logic error or by a storage overwrite.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTP

Explanation: An exception response has been returned to the transaction-routing transformer module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from ASCII to EBCDIC for data coming from the client. However, the conversion failed.

System action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRX, DFHXTP

AXTO

Explanation: An exception response has been returned to the transaction-routing transformer module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from EBCDIC to ASCII for data to be sent to the client. However the conversion failed.

System action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

User response: The most likely cause of this abend is that the terminal being shipped to the application owning region (AOR) has preset security with a userid which is not valid in the AOR. To confirm this, check the associated DFHSNxxxx message on the CSCS transient data queue in the AOR which gives the precise reason for the failure of the preset security signon request. This could be the result of an unauthorized transaction routing request.

Module: DFHAPRX, DFHXTP
Module: DFHAPRX, DFHXTP

Axtr
Explanation: An exception response has been returned to the transaction-routing transformer module from DFHPGLE FUNCTION(LOAD_EXEC) whilst trying to load EXEC program DFHCCNV.

System action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNnnnn message to the transient data queue, CSCS.

User response: Examine the response and reason returned from DFHPGLE to determine why CICS was unable to call DFHCCNV.

Module: DFHAPRX, DFHXTP

Axtu
Explanation: One of the following conditions has occurred.

• A transaction running in an AOR has created a channel. The transaction has terminated by issuing EXEC CICS RETURN TRANSID CHANNEL to name the next transaction in the pseudo-conversation and pass the channel to it. However the TOR is not at a high enough CICS level to support channels.

• A transaction running in an AOR has created a channel. The transaction has terminated by issuing EXEC CICS RETURN TRANSID CHANNEL to name the next transaction in the pseudo-conversation and pass the channel to it. The channel is transmitted to the TOR and is held there until the next transaction in the pseudo-conversation starts. However, when the next transaction is initiated, it is found to reside in an AOR that is not at a high enough CICS level to support channels.

User response: If channels are passed between transactions in a pseudo-conversation, you must ensure that all TOR and AOR systems involved in passing the channel are at a high enough CICS level to support channels.

System action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed.

Module: DFHAPRX, DFHXTP

Azxx abend codes

Azab
Explanation: DFHZARM has a SEND DATA request with a data length greater than 65528 bytes which is the maximum that it can process.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

Azad
Explanation: DFHZCN1 has been started from an unexpected system. The CCIN transaction can only be issued by a client.

System action: The transaction is abnormally terminated. Exception trace point AP3008 is written. Data1 holds the XMIQ start type.

User response: Issue the CCIN transaction only from a client.

Module: DFHZCN1
AZAE

**Explanation:** DFHZCN1 was started from a terminal facility, but not an LU6.2 session. The CCIN transaction may only be issued by a client.

**System action:** The transaction is abnormally terminated.

**User response:** Issue the CCIN transaction only from a client.

**Module:** DFHZCN1

AZAF

**Explanation:** DFHZCN1 was started for transaction CCIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjunction with a DFHZC32nn message which explains the problem in more detail.

**System action:** Exception trace point AP30xx is written. The transaction is abnormally terminated.

**User response:** Look for a DFHZC32nn message on the console or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.

**Module:** DFHZCN1

AZAG

**Explanation:** DFHZCT1 has been started from an unexpected system. The CTIN transaction can only be issued by a client.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP302A is written. Data1 holds the XMIQ start type.

**User response:** Issue the CTIN transaction only from a client.

**Module:** DFHZCT1

AZAH

**Explanation:** DFHZCT1 was started from a terminal facility, but not an LU62 session. The CTIN transaction can only be issued by a client.

**System action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP3032 is written. Data1 holds the principal facility address.

**User response:** Issue the CTIN transaction only from a client.

**Module:** DFHZCT1

AZAI

**Explanation:** DFHZCT1 was started for transaction CTIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjunction with a DFHZC32nn message which explains the problem in more detail.

**System action:** Exception trace point AP30xx is written. The transaction is abnormally terminated.

**User response:** Either use the default definitions for CCIN or ensure that it is defined as a local transaction.

**Module:** DFHZCN1

AZAJ

**Explanation:** DFHZCN1 was started for transaction CTIN. However, the CTIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CTIN must be a local transaction and be run on a CICS region which is directly connected to a client.

**System action:** Exception trace point AP3041 is written. The transaction is abnormally terminated.

**User response:** Either use the default definitions for CTIN or ensure that it is defined as a local transaction.

**Module:** DFHZCN1

AZAK

**Explanation:** DFHZCT1 was started for transaction CTIN. However, the CTIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CTIN must be a local transaction and be run on a CICS region which is directly connected to a client.

**System action:** Exception trace point AP3039 is written. The transaction is abnormally terminated.

**User response:** Either use the default definitions for CTIN or ensure that it is defined as a local transaction.

**Module:** DFHZCT1

AZA

**Explanation:** An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match that maintained jointly by DFHETL and DFHZARM.

The problem may also arise when CICS is assembling application data and receives end of chain before receiving all of the data that is expected.

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCB

Explanation: CICS has received sense code X'088901xx during APPC mapped processing. This should be followed by an error data GDS (generalized data stream) variable.

CICS has attempted to receive the error data. However this attempt has failed because no data has been received or because the data received is not for an CICS ISSUE ERROR of the correct length.

CICS expects the error data to indicate that the other system does not recognize GDS ID X'12F2 (function management data).

System action: The task is abnormally terminated with a CICS transaction dump.

The erroneous GDS ID is returned to the remote system for further analysis there.

User response: Check for session failure and for abend by the transaction in the other system.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCC

Explanation: The failing transaction has sent function management data to a transaction running in a system that does not provide support for application function management data.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check that the remote system can support application function management data.

Module: DFHZARM

AZCD

Explanation: A possible intersystem logic error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) does not match the length actually received. CICS determines the length of application data that is to be received from the LL fields and concatenation flags. However, CICS has not received all of the data that is expected.

This abend can be caused by a loss of data following the failure of a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: If this abend is not caused by the failure of a persistent sessions restart in a partner system, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCE

Explanation: An intersystem error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) exceeds the CICS implementation limit of 32767, for receive and converse commands, or 65500 for CICS transaction routing or function shipping requests.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Reduce the amount of data that the transaction in the remote system is transmitting to CICS.

Module: DFHZARM

AZCF

Explanation: An internal logic error has been detected during APPC mapped processing. An invalid request has been passed to DFHZARL.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCG

Explanation: An internal logic error has been detected during APPC mapped processing. DFHZARM expects the TCTTE passed to have been defined as APPC, TCTEILUC (TCTELUC) set on, and TCTECVT set to TCTEMAPD (to indicate a mapped conversation).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM
AZCH

**Explanation:** Sense code X'0889xxx' has been received unexpectedly during the processing of APPC mapped data.

This represents a violation of the APPC architecture by the remote system.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHETL, DFHZARM

AZCI

**Explanation:** The processing of APPC mapped data requires generation of an APPC attach function management header (FMH) with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check that

- The CONNECTION resource for the remote system has not been defined as single-session.
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the CEMT INQUIRE CONNECTION to do this. See the *CICS Intercommunication Guide* for details of the exchange lognames process.

**Module:** DFHETL, DFHZARM, DFHZARQ

AZCK

**Explanation:** An internal logic error has been detected during error recovery for APPC mapped processing. The conversation was being switched to RECEIVE state by an internal CICS SEND INVITE, but the conversation had already been FREEd by the partner.

**System action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARM

AZCL

**Explanation:** CICS has received sense code X'088901xx' during APPC mapped processing. The generalized data stream (GDS) should contain a valid GDS identity in the error data but CICS does not recognize the value. The values recognized by CICS are

- X'12F1'.null data
- X'12F2'.function management data
- X'12FF'.application data.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Check for session failure and for an abend by the transaction in the other system.

**Module:** DFHZARM

AZCM

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** See the related message produced by the domain that detected the original error.

**Module:** DFHZARM

AZCN

**Explanation:** The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Investigate why the task was purged.
It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZARM

AZCO

Explanation: The z/OS Communications Server persistent sessions initialization transaction CGRP has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System action: The transaction is abnormally terminated with a transaction dump.

User response: None.

Module: DFHZCGRP

AZCP

Explanation: A logic error has been detected in ZCP. An allocation request for a starting task cannot be satisfied.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSUP DFH62XM

AZCQ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

System action: The task is abnormally terminated with a CICS transaction dump.

User response: This failure is either the result of a task purge, or it represents a CICS logic error and you will need assistance from IBM.

See the related diagnostic material produced by the recovery manager domain.

Module: DFHZSUP DFHMRXM DFH62XM

AZCR

Explanation: A logic or protocol error has been detected during processing of an APPC SYNCPOINT ROLLBACK request. An attempt has been made to restore the conversation state to what it was after completion of the last successful unit of work. This saved state does not match flows received from the partner.

The problem arises during rollback in one of the following situations:

- The saved state is receive, and the partner sent change direction on the last flow, indicating that the partner expects CICS to be in send state
- The saved state is send, and the partner did not send the change-direction indicator on the last flow, indicating that the partner expects CICS to be in receive state.

System action: The task is abnormally terminated with a CICS transaction dump. Other processing continues.

User response: The problem can arise because of a failure in CICS, or a failure in the partner. To determine which is failing, analyze the flows at the last successful syncpoint. Try to determine the states the two LUs were in at this point. Look at the last syncpoint flow into CICS from the partner, before the abend. From this flow, calculate whether the change-direction indicator on the SPCMOD modifier byte is on. (See the SNA Formats manual for further information on the SPCMOD modifier byte.) The indicator must only be set when the saved CICS conversation state is send. If the last CICS state was send, and the indicator is on, CICS is at fault. Similarly, if the last CICS state was receive, and the indicator is off, CICS is at fault.

If the last CICS state was send and the indicator is off, or the last CICS state was receive, and the indicator is on, CICS has received a change-direction indicator when it was not expecting one. In this case, examine the partner for a logic error.

Module: DFHZARL

AZCT

Explanation: A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

Coding RTIMOUT in the PROFILE entry causes the task to be abnormally terminated if the terminal does not send input within the specified time.
AZCU • AZI3

**System action:** The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction dump code AZCT indicates that one should be taken.

**User response:** If a HANDLE ABEND command has been issued for this task, the read that was timed-out is still outstanding. In order to cancel this read, issue an ABEND command at the end of the user exit routine so that CICS can clean up the terminal's TCTTE. No further terminal control commands should be issued.

**Module:** DFHZARQ

---

**AZCU**

**Explanation:** The COVR transaction has been started directly from a terminal, or by a START command. This is not permitted. This transaction can only be started internally by CICS.

**System action:** The transaction is abnormally terminated. No transaction dump is taken.

**User response:** None.

**Module:** DFHZCOVR

---

**AZCV**

**Explanation:** A logic error has been detected in the COVR transaction while trying to connect to z/OS Communications Server.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZCOVR

---

**AZCW**

**Explanation:** An attempt has been made to run the CICS internal task CSTP as a user transaction.

**System action:** CICS terminates the task with a transaction dump.

**User response:** Investigate why the attempt was made to run CSTP as a user transaction.

**Module:** DFHZCSTP

---

**AZI1**

**Explanation:** An IRC data transmission request has been issued, but cannot be completed because the transmission protocol has been violated.

If the session is not used for distributed transaction processing, then the following are possible causes of the abend

- An invalid terminal control command, such as ISSUE SIGNAL, was issued
- A send request was issued but the session was not in send state, or a read request was issued but the session was not in receive state.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Determine the cause of the abend and if appropriate, correct the application. For further guidance, refer to the section on the EXEC Interface block (EIB) in the CICS Intercommunication Guide. The EIB describes the state of the session after a request has been issued.

**Module:** DFHZARQ

---

**AZI2**

**Explanation:** An IRC data transmission request has been issued but cannot be completed. Possible causes of the problem include

- The transaction running in the connected system has been purged, or
- The transaction running in the connected system has been timed out, or
- The abending transaction has attempted to SEND while in RECEIVE state, or
- The abending transaction has attempted to RECEIVE while in SEND state.

If the abend was caused by DFHIRP rejecting the transmission request, the dump will contain DFHIRP's return code in the field TCTEIRET for the TCTTE representing the failed IRC session. The address of this TCTTE is in field B of the trace entry representing the DFHTC data transmission request.

The meanings of the DFHIRP return codes are given in the copybook, DFHIRSDS.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** If the cause of the error was a purge or a time-out, no further action is required.

If the error was caused by a condition such as an attempted SEND while in RECEIVE state or vice versa, analyze the dump and correct the protocol violation.

**Module:** DFHZARQ

---

**AZI3**

**Explanation:** A terminal control request issued by an application to a remotely-owned terminal failed because the conversation with the other system failed.

**System action:** The task is abnormally terminated
with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARQ

---

**AZI4**

**Explanation:** An IRC data transmission request has been issued, but cannot be completed because the other system has become unavailable for interregion communication.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Rerun the transaction when IRC is available.

**Module:** DFHZARQ

---

**AZI5**

**Explanation:** An IRC data transmission request has been issued, but the data sent by the connected system in response to the request violated IRC protocols.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARQ

---

**AZI6**

**Explanation:** The transaction was connected to another transaction in another CICS system via an IRC link. This other transaction has abnormally terminated.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Correct the cause of the abend in the connected transaction.

**Module:** DFHZARQ

---

**AZI7**

**Explanation:** The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. The 'wait' request was rejected by the CICS dispatcher.

**System action:** The transaction is abnormally terminated with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZIS2

---

**AZI8**

**Explanation:** The error log data received with an ISSUE-ABEND flow on an IRC connection was not in the correct format.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZIS1

---

**AZI9**

**Explanation:** The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. During the wait, the failing transaction was purged. The purge can only have been the result of operator action, such as a CEMT SET TASK PURGE.

**System action:** The task is abnormally terminated with a dump.

**User response:** Investigate the reason the transaction was purged.

**Module:** DFHZIS2

---

**AZIA**

**Explanation:** The transaction attempted to acquire or free storage during MRO processing. The response from the CICS storage manager (SM) domain indicated that the request was invalid.

**System action:** The task is abnormally terminated with a dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZIS2

---

**AZIB**

**Explanation:** The transaction was purged whilst waiting for storage to receive MRO data from a connected subsystem. The purge may have been the result of operator action, such as CEMT SET TASK PURGE, or as the result of the waiting time exceeding the DTIMOUT value for the transaction.

**System action:** The task is abnormally terminated with a dump.

**User response:** If the condition is caused by time-out, examine the DTIMOUT value for the failing transaction and increase it if it is too low.

**Module:** DFHZIS2
AZIC

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message, and possibly a system dump.

System action: The task is abnormally terminated with a transaction dump.

User response: Please see the related message from the domain that detected the original error.

Module: DFHZIS2

AZID

Explanation: A PURGED condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace.

System action: The task is abnormally terminated with a transaction dump.

User response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZIS2

AZIF

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session.

The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This is either the result of a task purge, a CICS logic error, or of the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used see the related diagnostic material produced by the recovery manager domain and determine the reason for the failure.

In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARQ

AZIG

Explanation: An MRO session read-time-out condition has been detected. The transaction has been waiting for an MRO session for an interval longer than specified in the RTIMOUT value for that transaction.

Coding RTIMOUT in the PROFILE entry causes the task to be abnormally terminated if the session does not respond within the specified time.

System action: The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction dump code AZIG indicates that one should be taken.

User response: If a HANDLE ABEND command has been issued for this task, the read that was timed-out is still outstanding. In order to cancel this read, issue an
ABEND command at the end of the user exit routine so that CICS can clean up the terminal’s TCTTE. No further terminal control commands should be issued.

**Module:** DFHZIS2

**AZR2**

**Explanation:** Module DFHZARRA is unable to acquire main memory for a new application buffer because the storage manager GETMAIN failed.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use the trace to identify the failing return from the storage manager and analyze the reason for failure.

**Module:** DFHZARRA

**AZR3**

**Explanation:** During a GETMAIN request, the storage domain detected that the task has been purged.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** Use the trace to investigate why the task was purged. Check if the master terminal operator was responsible.

**Module:** DFHZARRA

**AZR4**

**Explanation:** An unexpected response has been received from a dispatcher domain call.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRC

**AZR5**

**Explanation:** An unexpected response has been received from a dispatcher domain call.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR0

**AZR6**

**Explanation:** An exception condition was raised as the result of a request from the APPC communications routine DFHZARL to the CICS recovery manager domain. This is either caused by a CICS logic error or by the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

**System action:** The transaction is abnormally terminated with a transaction dump.

**User response:** Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR0

**AZRA**

**Explanation:** DFHZARRC detected that the address of an FMH in the APPC was not in the receive buffer. The cause could either be a storage overwrite or a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

**Module:** DFHZARRC

**AZRB**

**Explanation:** Module DFHZARR0 was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR0
AZRD • AZRJ

AZRD

Explanation: The logical and physical APPC receive buffers have become out of step. This problem is caused either by a storage overwrite or by a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRE

Explanation: The logical APPC receive buffer (addressed by TCTERBLA) starts before or after the physical receive buffer (addressed by TCTERBLA). This is not valid as the logical receive buffer is the part of the physical receive buffer that is yet to be processed. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: If this problem is reproducible then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRF

Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRG

Explanation: The logical APPC receive buffer has been requested to remove from the APPC receive buffer, is longer than the buffer itself. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRF

AZRJ

Explanation: One of the parameters passed to DFHZARRI. was invalid. This is a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARR1
dump for printable characters or other signs of a storage violation error.

**Module**: DFHZARR0

**AZRK**

**Explanation**: The DFHLUC parameter list passed back from DFHZERH to DFHZARRF contained an invalid combination of LUCCIERR, LUCCIFRE, and LUCCIRBK fields. This is a CICS internal logic error.

**System action**: The transaction is abnormally terminated with a CICS transaction dump.

**User response**: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module**: DFHZARRF

**AZRO**

**Explanation**: Module DFHZARER was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

**System action**: The transaction is abnormally terminated with a CICS transaction dump.

**User response**: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module**: DFHZARER

**AZRP**

**Explanation**: Module DFHZARER detected an invalid response from DFHZNAC. This is a CICS internal logic error.

**System action**: The transaction is abnormally terminated with a CICS transaction dump.

**User response**: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module**: DFHZARER

**AZRQ**

**Explanation**: Module DFHZARRA was called with an invalid parameter. This is a CICS internal logic error.

**System action**: The transaction is abnormally terminated with a CICS transaction dump.

**User response**: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module**: DFHZARRA

**AZRR**

**Explanation**: Module DFHZARRA detected that the application buffer chained off of a TCTTE at offset TCTERCRA had a corrupted header. This is caused either by a CICS logic error or by a storage overwrite.
The exception trace point that accompanies this abend code gives the TCTTE address.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

**Module:** DFHZARRA

---

**AZRS**

**Explanation:** Module DFHZARRA is unable to acquire main memory for a new application buffer into which it is supposed to copy some data. This is because the DFHLUC receive request is SUBTYPE=LLID, SET=YES and DFHZARRA does not know the length to acquire on the GETMAIN. DFHZARRA requires the length of the record currently being received, but it has been set to 0 in error. This is a CICS logic error. The exception trace point that accompanies this abend code gives the TCTTE address.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRA

---

**AZRT**

**Explanation:** Module DFHZARRA has detected that the application buffer, into which it is supposed to copy some data, is invalid. This is either because the address of the buffer is zero or because its length is less than that of the data to be copied into it. This is a CICS logic error. The exception trace point that accompanies this abend code gives the buffer address and length plus the data address and length.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRA

---

**AZRU**

**Explanation:** Module DFHZARRF detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRF

---

**AZRV**

**Explanation:** Module DFHZARR1 detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR1

---

**AZRW**

**Explanation:** Module DFHZARRA detected a negative record length in the TCTTE (field TCTELEN). This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address and the value of TCTELEN.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

**Module:** DFHZARRA

---

**AZRY**

**Explanation:** Module DFHZARR detected an unexpected response from DFHZARRC. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

**System action:** The transaction is abnormally...
terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR

---

**Explanation:** Module DFHZARR detected an unexpected response from an internal subroutine. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR

---

**Explanation:** An invalid request was passed via the DFHZSTAM macro to the processing DFHZSTAP program. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** No TCTTE pointer was passed via the DFHZSTAM macro to the processing DFHZ program. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program for an APPC Conversation, but the LUC Extension Control Block was not located. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** While processing a DFHZSTAM request in DFHZSTAP, the DFHZUSRML UCT State Machine was found to have an invalid setting. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP

---

**Explanation:** The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program does not relate to an MRO or an APPC Conversation. This is a CICS internal logic error.

**System action:** The transaction is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZSTAP
AZT1

Explanation:  The task has been attached improperly in the application-owning region when transaction routing.

System action:  CICS abnormally terminates the transaction with a transaction dump.

User response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHZSTAP

AZT3

Explanation:  The task is being routed back to the region from where it came.

System action:  CICS abnormally terminates the transaction with a transaction dump.

User response:  Correct the transaction definition.

Module:  DFHZTSP

AZT6

Explanation:  The task in the application-owning region has received a ROLLBACK request from the terminal-owning region, but the conversation is continuing. The terminal-owning region has violated the transaction routing protocol.

System action:  CICS abnormally terminates the transaction with a transaction dump.

User response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHZTSP

AZT7

Explanation:  A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT.

System action:  The task is abnormally terminated with a CICS transaction dump.

User response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHZTSP

AZT8

Explanation:  A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT because it is locked by another task.

System action:  The task is abnormally terminated with a CICS transaction dump.

User response:  The other task may be transitory in nature, and if so, another attempt will succeed.

Module:  DFHZTSP

AZTA

Explanation:  The task does not own a terminal as its principal facility.

System action:  The task is abnormally terminated with a CICS transaction dump.

User response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHZTSP, DFHAPRR

AZTB

Explanation:  An attempt to install or delete a remote terminal in this CICS system has failed. This may be because CATA was trying to install a local terminal at the same time as CITS was installing a remote terminal with the same termid. In this situation CICS gives priority to the locally installed terminal (CATA). This abend can also occur if the CITS/CDTS/CMTS/CFTS transactions are not available (that is, if the transactions have not been installed).

System action:  DFHZTSP is abnormally terminated with a CICS transaction dump.
User response: If there was an abend AZI6/AZTS abend in the TOR then retry the request after the locally installed terminal with the same TERMDID has logged off. Otherwise, verify that the listed transactions exist and have been installed. If the failure persists then you need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTC

Explanation: An attempt to install or delete a remote terminal in this system has failed. This is because a short-on-storage (SOS) condition has caused the failure of a GETMAIN for the attach of CITS, CDTS, or CFTS.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Investigate the reason for the SOS condition. See the *CICS Problem Determination Guide* for guidance on dealing with the SOS condition.

Retry the transaction later.

Module: DFHZTSP

AZTE

Explanation: An attempt has been made to run a transaction with EDF enabled, using an IPIC connection. IPIC does not support sending EDF information.

System action: The task is abnormally ended with a CICS transaction dump.

User response: You can do one of the following:

- Enable CEDX for the transaction on the remote region.
- Release the IPIC connection and run the transaction with EDF enabled using another connection type.

Module: DFHAPRT

AZTF

Explanation: DFHZTSP tried to GETMAIN or FREEMAIN a TCTTE whose length (TCTTETEL) is longer than the largest TCTTE SUBPOOL and is therefore invalid. This implies a storage violation or a CICS internal logic error.

System action: The transaction is abnormally terminated with a CICS transaction dump.

User response: Use the transaction dump to identify the TCTTE in error. First, check whether this is a storage overwrite. If so, check in your statistics to see if you are getting a number of storage violations caused by the same transaction. If this is the case, then a user-supplied application is probably causing the problem.

If it is not a storage violation problem, or if there is a random storage violation, there might be an error in CICS. In this case, you need further assistance to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTH

Explanation: An attempt has been made to attach a task on a remotely-owned terminal without an intersystem TCTTE as its principal facility.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTI

Explanation: An attempt has been made to attach a task on a remotely-owned terminal, but the terminal is not defined in this system as a remotely-owned terminal.

This may occur after an AZVK abend when CICS attempts to delete the surrogate TCTTE, but there is still a transaction running against it.

Alternatively, another task holds a lock on this terminal.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check the terminal control table definitions in the systems involved. If the definitions are correct, check that no other tasks have locks held on the terminal (CECI, for example).

Check to see if an AZVK abend occurred earlier for this terminal and determine if the link session timing out was the original cause. All should be well once the long running transaction finishes.

Module: DFHZTSP
**AZTL**

**Explanation:** An attempt has been made to attach a task to a remotely-owned terminal that cannot be used to run this transaction.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Check the terminal control table definitions in the systems involved.

**Module:** DFHZTSP

---

**AZTM**

**Explanation:** The data received from the remote system does not contain an FMH (function management header).

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZTSP

---

**AZTN**

**Explanation:** Conversation with a remote system has been unexpectedly terminated.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZTSP

---

**AZTO**

**Explanation:** The TCTTE ownership chain is in error.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZTSP

---

**AZTP**

**Explanation:** A BMS TYPE=STORE request issued on behalf of a remote transaction failed.

**System action:** The task abnormally terminates with a CICS transaction dump.

**User response:** Inform the system programmer. Check that the required BMS support has been generated.

**Module:** DFHZTSP

---

**AZTT**

**Explanation:** An attempt has been made to attach a task to a remotely-owned terminal that cannot be used to run this transaction.

**System action:** The task is abnormally terminated with a CICS transaction dump.

**User response:** Inform the system programmer. Check that the required BMS support has been generated.

**Module:** DFHZTSP

AZTU

Explanation: The task does not own the link TCTTE after a sync point has been taken.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTV

Explanation: An invalid function management header (FMH) has been received from the remote system.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTW

Explanation: An attempt was made to attach a task on a remotely-owned terminal that was already running a task.

This may be caused by a read time out occurring in the terminal owning region for the link session being used by this transaction. The read timeout is specified in profile DFHCICSS. Although the session has timed out the transaction may still be running and the surrogate TCTTE is unable to accept any more transactions until the first one has finished.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Check the terminal control table definitions in the systems involved.

Check to see if a read timeout abend occurred on the TOR for the same terminal to determine if this is the cause. Wait until the transaction terminates before retrying any further transactions on this terminal.

Module: DFHZTSP

AZTY

Explanation: A session TCT entry for a remotely owned APPC terminal or connection could not be created because to do so would exceed the maximum number of APPC sessions permitted.

The maximum number of sessions depends on whether the PTF shipped for APAR PQ27823 is installed. The basic limit is 46656 and the names are in the range -AAA to -999. The APAR doubles this limit to 93312 giving an additional range of AAA- to 999-.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Inform the system programmer. Either wait for the system to become less busy, or delete some APPC sessions.

The system programmer should consider increasing the number of CICS TORs.

Module: DFHZTSP

AZVA

Explanation: DFHZTSP has timed out waiting for service transaction CITS to complete during the creation of a remote terminal while attaching a task in the application-owning region.

The probable cause of this is that the application-owning region is very busy, so the CITS transaction has been waiting to be dispatched for longer than the timeout value allowed by DFHZTSP. Lack of storage on the target system is one possible reason why CITS has not been dispatched, or has been dispatched but has not completed.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Retry the transaction when the system becomes less busy. For more information on improving transaction throughput on the target system, see the CICS Performance Guide.

Module: DFHZATS

AZVB

Explanation: DFHZCQ has failed to create the remote terminal definition. A previous message or messages should indicate the reason for the failure.

System action: The task is abnormally terminated
AZVC • AZVJ

with a CICS transaction dump.

User response: See the previous message or messages for further guidance.

Module: DFHZATS

AZVC

Explanation: An unexpected error has occurred in DFHZATS. This is probably caused by DFHZATS being unable to address the CSA, EIB or the TCA. It can also occur if DFHZATS is called with an EXEC CICS START command for transactions CITS, CFTS, CMTS or CDTS. These are internal CICS transactions and should not be called in this way.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

AZVD

Explanation: An unexpected error has occurred in the install procedure of DFHZATS.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

AZVE

Explanation: DFHZATS is trying to install a remote terminal with the same terminal id as an existing TCT entry.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Change the terminal names to ensure that a duplicate does not occur in the same system.

Module: DFHZATS

AZVF

Explanation: One of the remote install or delete transactions of DFHZATS (CITS, CFTS, CMTS or CDTS) has been started directly from a terminal. This is not permitted. These transactions can only be started internally by CICS.

System action: The transaction is abnormally terminated with a transaction dump.

User response: None.
AZVK

Explanation: An unexpected return code has been received from the remote delete routine during the deletion of a single remote terminal.

This may occur after an AZTW abend when CICS attempts to delete the surrogate TCTTE, but there is still a transaction running against it. It may also occur without an AZTW if the link session timed out leaving the transaction in the AOR still running but followed by a logoff from the terminal which initiated the long running transaction.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Look for an accompanying DFHZC6911 message indicating the reason for the delete failure, and take appropriate action.

Check to see if the link session for this terminal timed out and whether the terminal then issued another transaction or logged off. All should be well once the long running transaction finishes.

Module: DFHZATS

AZVL

Explanation: An error has occurred during the mass flagging of remote terminals for deletion.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

AZVM

Explanation: An error has occurred in DFHZATMD. This is probably caused by DFHZATMD being unable to address the CSA, EIB, or the TCA.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

AZVQ

Explanation: A request to install a shipped terminal definition has been rejected by the autoinstall user program.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Retry the transaction when the system is less busy.

Module: DFHZATS

AZVR

Explanation: An attempt to install a shipped terminal definition has failed because the autoinstall user program has issued an unexpected return code.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Examine the autoinstall user program to determine why this return code was issued.

Module: DFHZATS

AZVS

Explanation: An attempt to install a shipped terminal definition has failed because an error has occurred in the autoinstall user program.
AZVU • AZXB

System action: The task is abnormally terminated with a CICS transaction dump.

User response: Examine the autoinstall user program to determine the reason for the failure.

Module: DFHZATS

AZVU

Explanation: DFHZATS was attempting to autoinstall a shipped terminal, a virtual terminal or a shipped connection and the autoinstall URM was called. However the autoinstall failed for one of the following reasons:

• The name returned by the URM in SELECTED_SHIPPED_TERMID started with one of these characters
  - `<`
  - `>`
  - `-`

• The value in the SIT VTPREFIX parameter contained imbedded blanks or a character that is not allowed for terminal names.

System action: The task is abnormally terminated with a CICS transaction dump.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

AZXA

Explanation: An unexpected error, with reason code 5, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User response: Refer to message DFHXG6492.

Module: DFHZXCU

AZXB

Explanation: An unexpected error, with reason code 4, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User response: Refer to message DFHXG6492.

Module: DFHZXCU
Chapter 3. System abend and dump codes

Abend and dump codes are used by the following system components and products:
- The CICS system
- IMS™
- The CICS translator
- The CICS system dump program
- The CICS utility program, DFHCSDUP
- The external CICS interface
- The CICS JVM interface
- Language Environment

CICS system dump codes

Whenever a CICS system dump is requested, CICS references a system dump code that corresponds to the event that caused the dump request to be made. This is done in order to see what further action should be taken. More information about this can be found in the CICS Problem Determination Guide.

In most cases, system dump codes correspond to a DFH message with the DFH tag stripped off. For example, system dump code DM0001 corresponds to message DFHDM0001 with the DFH tag removed. For further information, look up the relevant message where appropriate.

However, there are some exceptions to this format, as shown in the following list.

<table>
<thead>
<tr>
<th>System dump code</th>
<th>Corresponding message or exception condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABNDU603</td>
<td>This system dump code refers to a USER abend code and is associated with message DFHSR0603.</td>
</tr>
<tr>
<td>ABNDU605</td>
<td>This system dump code refers to a USER abend code and is associated with message DFHSR0605.</td>
</tr>
<tr>
<td>APTRAPPC</td>
<td>This system dump code is associated with message DFHTR1001.</td>
</tr>
<tr>
<td>APTRAPUS</td>
<td>This system dump code is associated with message DFHTR1000.</td>
</tr>
<tr>
<td>APUSER</td>
<td>This system dump code is issued through the use of the CEBT transaction when performing a PERFORM SNAP command.</td>
</tr>
<tr>
<td>APXRFTO</td>
<td>This system dump code has no DFH message associated with it. An error in the currently active CICS system has occurred. An alternate CICS system is now taking control and is requesting that the active CICS system produces a dump of itself.</td>
</tr>
</tbody>
</table>
MT0001

This system dump code has no DFH message associated with it. It indicates that a dump was requested by a user of CEMT, issuing either a PERFORM SNAP or a PERFORM DUMP.

**DHxx (IMS) abend codes**

If the IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or if DL/I has returned a status code to HLPI which indicates an error, IMS returns a status code \( xx \) to CICS Transaction Server for z/OS. A few of the more common abend codes are listed below. For a full list of \( xx \) status codes that can make up a DHxx abend, refer to the *IMS Application Programming: EXEC DLI Commands* manual.

**DHTA**

**Explanation:** A task has issued a program specification block (PSB) schedule request but the PSB could not be found.

**User response:** See the description of the DL/I status code TA in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

**DHTC**

**Explanation:** A task has issued a program specification block (PSB) schedule request but the PSB has already been scheduled.

**User response:** See the description of the DL/I status code TC in the *IMS Application Programming: EXEC DLI Commands* manual for guidance.

**DHTG**

**Explanation:** A task has issued a terminate request but the request failed because the program specification block (PSB) is not scheduled.

**User response:** See the description of the DL/I status code TG in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

**DHTJ**

**Explanation:** A task has issued a program specification block (PSB) schedule request but the request failed because CICS is not connected to DBCTL.

**User response:** See the description of the DL/I status code TJ in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

**DHTQ**

**Explanation:** A task has issued a program specification block (PSB) schedule request but the request failed.

**User response:** See the description of the DL/I status code TQ in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

**01xx (translator) abend codes**

**0100**  LISTING FILE CANNOT BE OPENED

**Explanation:** The listing data set has not opened successfully.

**System action:** The CICS command level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

**User response:** Ensure correct JCL or determine what is causing the open error.

**Module:** DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

**0101**  UNRECOVERABLE TRANSLATOR ERROR
Explanation: The translator encountered a program check from which it could not recover.

System action: The CICS command-level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User response: You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

02xx (DFHPD670) abend codes

0211 RECURSIVE PROGRAM CHECK

Explanation: A program check has occurred while the system dump formatting program was handling an earlier program check.

System action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User response: The program check preceding the abend is accompanied by message DFHPD0123. See the description of this message for more guidance.

Module: DFHPD

0212 TOO MANY PROGRAM CHECKS

03xx (DFHCSDUP) abend codes

0300

Explanation: The SYSIN data set has not opened successfully.

System action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User response: Ensure that the JCL is correct and that the SYSIN data set exists in sequential form. If necessary, examine the SYSIN DD statement to determine the cause of the error.

Module: DFHCSDUP

0301

Explanation: The RECFM parameter specified in the SYSIN data set is invalid.

System action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User response: Ensure that the RECFM parameter in the SYSIN data set is either F or V.

Module: DFHCSDUP

0302

Explanation: The record length specified in the SYSIN data set is invalid.

System action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User response: Ensure that the record length specified in the SYSIN data set is no greater than 80.

Module: DFHCSDUP

0303

Explanation: The SYSPRINT data set did not open successfully.

System action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User response: Ensure that the SYSPRINT data set exists. If necessary, examine the SYSPRINT DD statement to determine the cause of the error.

Module: DFHCSDUP

0304

Explanation: DFHCSDUP has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See [CICS Problem Determination Guide](#) for guidance on how to proceed.

**Module:** DFHCSDUP

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**0305**

**Explanation:** An unexpected return code was received either while trying to close the alternate SYSIN and SYSPRINT DCBs (CLOSEDCB) or while trying to free the task local storage (FREETLS).

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See [CICS Problem Determination Guide](#) for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0307**

**Explanation:** An attempt to print the input command failed. Since messages cannot be issued, the utility must terminate.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See [CICS Problem Determination Guide](#) for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0308**

**Explanation:** During the migration of a TCT table, a bad command sequence was found. This can occur for one of the following reasons:

- TYPETERM was not preceded by TERMINAL
- TERMINAL was not followed by TYPETERM

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** Correct the TCT table to be migrated and rerun the job.

**Module:** DFHCSDUP
statement is provided, a system dump is produced.

**User response:** See the description of the issued messages to determine the cause of the error.

**Module:** DFHCSDUP

---

**0325**

**Explanation:** When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

**System action:** Message DFH5180 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0326**

**Explanation:** There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System action:** Message DFH5184 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0327**

**Explanation:** The language table DFHEITCU could not be loaded.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0328**

**Explanation:** The language table DFHEITCU could not be unloaded.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User response:** Refer to the preceding message which should specify the reason for the failure. You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0330**

**Explanation:** The cross reference table size for the table being migrated is too small.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0331**

**Explanation:** DFHCSDUP was invoked to perform an EXTRACT command using a Language Environment-conforming HLL user exit, but the utility failed to initialize the CEE environment successfully.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced. Register 15 contains the initialization return code.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0332**

**Explanation:** DFHCSDUP was invoked to perform an EXTRACT command using a Language Environment-conforming HLL user exit, but during execution the utility received a bad return code from the Language Environment.

**System action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced. Register 15 contains the Language Environment return code.

**User response:** You need further assistance from IBM to resolve this problem. See the CICS Problem Determination Guide.
0401
Explanation: An external CICS interface (EXCI) request was issued using the CALL API or the EXEC API, and the EXCI stub DFHXCSTB link-edited with the application detected that it was running in AMODE 24. The external CICS interface only supports calls made in AMODE 31.
System action: The application terminates abnormally.
User response: Change the application so that EXCI calls are made in AMODE 31, or relink-edit the application AMODE 31.
Module: DFHXCSTB.

0402
Explanation: The external CICS interface module DFHXCPRH issued an MVS ESTAE macro to establish a recovery environment, but a nonzero return code was returned from MVS.
System action: The application terminates abnormally with a dump.
User response: Examine the dump and any associated MVS messages produced to determine why the MVS ESTAE request failed.
If the error occurred while processing an INITIALIZE_USER request on behalf of the application, an attempt to format the dump using the CICS IPCS dump formatter does not produce any formatted output. This is because the error occurred too early in EXCI initialization for there to be any control blocks.
Module: DFHXCPRH

0403
Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request to obtain storage for its XCGLOBAL block, but a nonzero return code was returned from MVS.
System action: Module DFHXCPRH issues an MVS abend with abend code 0403 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCGLOBAL_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(602).
User response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.
An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.
Module: DFHXCPRH

0404
Explanation: The external CICS interface module DFHXCPRH needed to take an MVS SDUMP for an earlier reported problem. However, the error has occurred too early in EXCI initialization for EXCI dump services to be available.
System action: Module DFHXCPRH issues an MVS abend with abend code 0404 which invokes its ESTAE routine from which a SYSMDUMP is taken instead of an SDUMP to capture the earlier reported problem.
User response: Examine the SYSMDUMP to determine the cause of the earlier reported problem.
An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.
Module: DFHXCPRH

0405
Explanation: The external CICS interface module DFHXCPRH issued an IEFSSREQ SSI verify request to MVS to determine the number of the CICS SVC type 3 SVC to use. The SSI VERIFY request failed.
System action: Module DFHXCPRH issues an MVS abend with abend code 0405 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(SSI_VERIFY_FAILED) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the SSI verify failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(606).
User response: Use the MVS R15 return code obtained from the application or from the dump to determine why the SSI VERIFY request failed.
An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any
Module: DFHXCPRH

0406

Explanation: The external CICS interface module DFHXCPRH called the CICS SVC to initialize the EXCI environment. The CICS SVC call failed.

System action: Module DFHXCPRH issues an MVS abend with abend code 0406 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(CICS_SVC_CALL_FAILURE) in its return area. The subreason1 field of the return area contains the R15 return code from the CICS SVC indicating why it failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(607).

User response: Use the MVS R15 return code obtained from the application or from the dump to determine why the CICS SVC call failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0407

Explanation: The external CICS interface module DFHXCPRH issued a call to the CICS SVC to check whether the SVC in use is at the correct level to be used with the external CICS interface. The check failed indicating that the CICS SVC is not at the correct level.

System action: Message DFHEX0100 is output, and module DFHXCPRH issues an MVS abend with abend code 0407 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(INCORRECT_SVC_LEVEL) in its return area. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(627).

User response: See the explanation of message DFHEX0100 for guidance.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0409

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for its working storage but a nonzero return code was returned from MVS.

System action: Module DFHXCPRH issues an MVS abend with abend code 0409 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(VERIFY_BLOCK_GM_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(605).

User response: Use the MVS R15 return code obtained from the application or from the dump to determine why the GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0408

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for its storage required for its SSI VERIFY request, but a nonzero return code was returned from MVS.

System action: Module DFHXCPRH issues an MVS abend with abend code 0408 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(WS_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(601).

User response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

Module: DFHXCPRH
**0410**

**Explanation:** The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for an XCUSER block but a nonzero return code was returned from MVS.

**System action:** Module DFHXCPRH issues an MVS abend with abend code 0410 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCUSER_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(603).

**User response:** Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

**Module:** DFHXCPRH

---

**0411**

**Explanation:** The external CICS interface dump module DFHXCDMP was attempting to call the CICS SVC in order for an MVS SDUMP to be taken to capture an earlier problem. DFHXCDMP was unable to call the SVC as no SVC number was available. DFHXCDMP issued an 0411 abend in order that the callers ESTAE routine is invoked which takes a SYSMDUMP instead.

**System action:** A SYSMDUMP is taken instead of an SDUMP for an earlier reported problem.

**User response:** Use the SYSMDUMP produced to diagnose the earlier reported problem.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCDMP

---

**0412**

**Explanation:** The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it contained a function that is not supported by the external CICS interface.

**System action:** The application is abnormally terminated with a dump.

**User response:** This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify the correct EXCI EXEC API command.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**Module:** DFHXCEIP

---

**0413**

**Explanation:** The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it did not require the mandatory RETCODE parameter in which return codes are returned to the application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**System action:** The application is abnormally terminated with a dump.

**User response:** This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify RETCODE.

**Module:** DFHXCEIP

---

**0414**

**Explanation:** The external CICS interface module DFHXCEIP issued an MVS ESTAE macro to establish a recovery environment but a nonzero return code was returned from MVS.

**System action:** The application terminates abnormally with a dump.

**User response:** Examine the dump and any associated MVS messages to determine why the MVS ESTAE request failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**Module:** DFHXCEIP

---

**0415**

**Explanation:** The external CICS interface module DFHXCEIP detected an error early in EXCI initialization before EXCI dump services were available. DFHXCEIP issues abend 0415 so that its ESTAE routine is invoked from where an SYSMDUMP is taken instead to capture the error.
**System action:** The application terminates abnormally with a dump.

**User response:** Examine the SYSMDUMP to determine the cause of the earlier reported error.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCEIP

---

**05xx CICS JVM Interface abend codes**

**0501**

**Explanation:** Either a JCICS Java Class method or a CICS Domain call was invoked from a Java application running under control of a JVM and executing on a thread other than the initial process thread (IPT). CICS requests can only be issued when executing under the initial process thread.

**System action:** The thread is abended with a MVS 0501 user abend code causing the initial process thread to be abnormally terminated. Language environment recovery processing is driven causing a 4xxx abend to be issued under the J8 TCB on which the JVM is running. CICS recovery processing terminates the JVM and abnormally terminates the transaction with an ASRB abend code.

**User response:** If issued from a JCICS call, change the application so that these requests are issued when running under the initial process thread. Otherwise contact your local IBM support centre for assistance.

**Module:** DFHCALLA, DFHCDKRN, DFHMSGIF, DFHTRCIF

---

**0505**

**Explanation:** This abend occurs when a request for MVS storage waits for storage for a time longer than the global timeout value specified in SMVPA (storage management anchor).

CICS has determined that there is a shortage of MVS storage available for supporting JVMs, and has previously issued message DFHSM0139. Threads requiring MVS storage which cannot be satisfied are queued until MVS storage becomes available. If such a thread waits for a time longer than the global timeout value, then CICS abends the thread with MVS abend code 0505, so forcing the requesting transaction to terminate, and release its resources.

**System action:** CICS will abend the requesting transaction which might help to relieve the shortage of MVS storage.

**User response:** You should decrease the MAXJVMTCBS parameter, to reduce the number of concurrent JVMs which may be requesting storage. For more information about how to do this, see the CICS Performance Guide.

**Module:** DFHSMVP

---

**4xxx LE/370 abend codes**

Abend codes in the range 4000 to 4095 are issued by LE/370 runtime library modules for LE enabled applications running on CICS.

When LE/370 detects an unrecoverable error, LE/370 terminates the transaction with an EXEC CICS abend with an abend code numbered from 4000-4095. A write-to-operator (WTO) is performed to write a CEE1000S message to the system console. This message contains the abend code and the reason code associated with the abend.

Some of these abends can occur when the system is under stress and LE/370 is unable to acquire the resources required to report a previous abend or failure. In this case there will usually be other symptoms that the system is under stress (for...
example short on storage messages or other transactions being purged with AEXY or AKC3 abends), and inspection of the transaction dump should allow identification of the original abend.

LE/370 abend codes and run-time messages are described in *IBM Language Environment for MVS and VM Debugging Guide and Run-Time Messages.*
Chapter 4. DFH messages - DFH01 to DFHM

CICS produces different types of messages for different users of the product. The messages are intended as a quick reference to get started with problem determination.

While CICS is running, it can produce several types of messages:
- Console messages advise the system operator of execution progress, or request a decision.
- Certain CICS-supplied support programs communicate directly with terminal operators.
- CICS management modules and support programs log significant events and error occurrences to transient data destinations; for example, to the control system master terminal (CSMT), or to the CICS database control log (CDBC) for the CICS-DBCTL interface.
- The CICS message switching program (DFHMSP) generates message switching responses, as described in CMSG - message switching in CICS Supplied Transactions.
- CICS directs informational macro notes (mnotes) to programmers. These are not documented.
- Messages produced by CICS utility programs such as DFH£MOLS and DFHMNDUP. These messages are self-explanatory and are not documented.

With the exception of the AXM messages, a small number of numeric abends and the transaction dump codes, the messages can also be viewed online using the CICS transaction CMAC. For guidance on using CMAC, see CMAC - messages and codes display.

The messages in volume 1 range from DFH01 to DFHM. If you want to look up messages from DFHN to DFHZ, see CICS messages and codes overview in Messages and Codes Vol 2.

CICS DFH message Identifiers

Message identifiers are of two types.

DFHnnnn identifiers

These consist of the prefix “DFH” followed by a four digit message number.
“DFH” is the IBM assigned identifier for CICS modules. The first two digits are the CICS module reference code as follows:

| 01 | DFHSSIN  
| 42 | DFHZCNR  
| 51 | DFHCSDUP  
| 52 | DFHCSDUP  
| 55 | DFHCSDUP  
| 56 | DFHCSDUP  
| 7x | Command-level translators  

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The last two digits are assigned by CICS to identify the message or group of messages within an assembled program.

**DFHccnnnnn identifiers**

These consist of the prefix “DFH” followed by a two-letter component identifier (cc), and a four-digit message number (nnnn). The component identifier shows the domain or the component which issues the message. Here is a list of component identifiers with associated domains and components:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>Abnormal condition program component</td>
</tr>
<tr>
<td>AD</td>
<td>CICS Development Deployment Tool messages</td>
</tr>
<tr>
<td>AI</td>
<td>Auto-install terminal model manager (AITM)</td>
</tr>
<tr>
<td>AM</td>
<td>RDO allocation manager</td>
</tr>
<tr>
<td>AP</td>
<td>Application domain</td>
</tr>
<tr>
<td>BA</td>
<td>CICS business transaction services (BTS) domain</td>
</tr>
<tr>
<td>BR</td>
<td>Bridging to 3270 transactions</td>
</tr>
<tr>
<td>CA</td>
<td>RDO command utility routine</td>
</tr>
<tr>
<td>CC</td>
<td>CICS catalog domain (local and global)</td>
</tr>
<tr>
<td>CE</td>
<td>Sign on program component</td>
</tr>
<tr>
<td>CF</td>
<td>CICS coupling facility data tables server</td>
</tr>
<tr>
<td>CP</td>
<td>CPI Communications component</td>
</tr>
<tr>
<td>CQ</td>
<td>CQ console messages</td>
</tr>
<tr>
<td>CR</td>
<td>ISC remote scheduler component</td>
</tr>
<tr>
<td>CZ</td>
<td>CICS class libraries domain</td>
</tr>
<tr>
<td>DB</td>
<td>CICS database control component</td>
</tr>
<tr>
<td>DD</td>
<td>Directory manager</td>
</tr>
<tr>
<td>DH</td>
<td>Document handler component</td>
</tr>
<tr>
<td>DM</td>
<td>Domain manager domain</td>
</tr>
<tr>
<td>DP</td>
<td>Debugging profile domain</td>
</tr>
<tr>
<td>DS</td>
<td>Dispatcher domain</td>
</tr>
<tr>
<td>DU</td>
<td>Dump domain</td>
</tr>
<tr>
<td>DX</td>
<td>CICS database control component</td>
</tr>
<tr>
<td>EJ</td>
<td>Enterprise Java™ domain</td>
</tr>
<tr>
<td>EM</td>
<td>Event Manager domain</td>
</tr>
<tr>
<td>ER</td>
<td>User backout program</td>
</tr>
<tr>
<td>EX</td>
<td>External CICS interface</td>
</tr>
<tr>
<td>FC</td>
<td>File control component</td>
</tr>
<tr>
<td>FE</td>
<td>FE terminal test program component</td>
</tr>
<tr>
<td>IC</td>
<td>Interval control program</td>
</tr>
<tr>
<td>IE</td>
<td>IP ECI domain</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>II</td>
<td>CORBA and IIOP domain</td>
</tr>
<tr>
<td>IN</td>
<td>Indoubt testing tool</td>
</tr>
<tr>
<td>IR</td>
<td>Interregion component</td>
</tr>
<tr>
<td>IS</td>
<td>Intersystem component</td>
</tr>
<tr>
<td>JC</td>
<td>Online journal control component</td>
</tr>
<tr>
<td>KC</td>
<td>Transaction/profile manager</td>
</tr>
<tr>
<td>KE</td>
<td>Kernel domain</td>
</tr>
<tr>
<td>LD</td>
<td>Loader domain</td>
</tr>
<tr>
<td>LG</td>
<td>Logger domain</td>
</tr>
<tr>
<td>LM</td>
<td>Lock manager domain</td>
</tr>
<tr>
<td>MC</td>
<td>BMS message control program component</td>
</tr>
<tr>
<td>ME</td>
<td>Message domain</td>
</tr>
<tr>
<td>MN</td>
<td>Monitor domain</td>
</tr>
<tr>
<td>MQ</td>
<td>WebSphere MQ domain</td>
</tr>
<tr>
<td>MU</td>
<td>Message editing utility program</td>
</tr>
<tr>
<td>MV</td>
<td>MVS RESMGR exit stub</td>
</tr>
<tr>
<td>NC</td>
<td>Named counter sequence number server</td>
</tr>
<tr>
<td>NQ</td>
<td>Enqueue manager domain</td>
</tr>
<tr>
<td>OT</td>
<td>Object Transaction Services domain</td>
</tr>
<tr>
<td>PA</td>
<td>Parameter manager domain</td>
</tr>
<tr>
<td>PC</td>
<td>Program control program component</td>
</tr>
<tr>
<td>PD</td>
<td>Print dump exit routine DFHPDX</td>
</tr>
<tr>
<td>PG</td>
<td>Program manager domain</td>
</tr>
<tr>
<td>PI</td>
<td>Pipeline manager domain</td>
</tr>
<tr>
<td>PR</td>
<td>Partner resource manager</td>
</tr>
<tr>
<td>PS</td>
<td>System spooler interface control module component</td>
</tr>
<tr>
<td>RD</td>
<td>RDO allocation manager</td>
</tr>
<tr>
<td>RM</td>
<td>Recovery manager</td>
</tr>
<tr>
<td>RP</td>
<td>CICS ONC RPC</td>
</tr>
<tr>
<td>RS</td>
<td>Communications resynchronization program</td>
</tr>
<tr>
<td>RT</td>
<td>ISC transaction routing component</td>
</tr>
<tr>
<td>RU</td>
<td>Recovery utility program</td>
</tr>
<tr>
<td>RX</td>
<td>RRS-coordinated EXCI domain</td>
</tr>
<tr>
<td>RZ</td>
<td>Request Streams domain</td>
</tr>
<tr>
<td>SH</td>
<td>Scheduler domain</td>
</tr>
<tr>
<td>SI</td>
<td>System initialization component</td>
</tr>
<tr>
<td>SJ</td>
<td>Scaleable Java domain</td>
</tr>
</tbody>
</table>
For example, the CICS message DFHAP0002 is issued from the application domain, identified by the two-character identifier AP.

**Action codes**

Certain messages (for example, DFHDB8208D) include an action code after the message identifier. Action codes give guidance to the operator of the type of action needed when the message appears on the system console. The following action codes are used:

- **A** Immediate action (for example, mount a tape)
Immediate decision (reply to a request, for example, enter “GO” or “CANCEL”)

Eventual – action is required, but does not have to be taken immediately

No action required (If issued via the message domain, these messages can be suppressed by specifying MSGLEVEL=0 as a system initialization override.)

Severity codes

Certain messages, especially those associated with messages to terminal operators and messages which come from CICS utilities, have a severity code. (DFHST0210 I, is an example.) A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is. The following severity codes are used:

E Error. Something has gone wrong and action is required of the user before CICS processing can continue.

I Information only. No action is required.

W Alert. Something may have gone wrong, a program loop for example, but CICS processing continues.

S Severe error. Something serious has gone wrong and immediate action is required. CICS processing is suspended until action has been taken.

Format of message information

Information about each message is presented in the following format:

- **Message identifier** – in the form DFHnnnn or DFHccnnnn
- **Message text** – the words and inserts that make up the message as displayed in CICS
- **Explanation** – the events leading to or following the production of the message
- **System action** – the action that has been or will be taken by CICS
- **User response** – the action recommended for the user (the console or terminal operator or system programmer)
- **Destination** – the device or log to which the message is sent. This is one of the following:
  - Console – refers to a terminal type attached to CICS. (Route codes are 2 and 11 unless otherwise stated.)
  - Terminal end user
  - TERMCDBC – terminals running the CDBC transaction.
  - SYSPRINT (System printer)
  - One of the following transient data queues:
    - CADL z/OS Communications Server resource definition log
    - CADO CICS Development Deployment Tool messages
    - CAIL Autoinstall terminal model manager (AITM) log
    - CCPI Common programming interface for communications (CPI Communications) messages
    - CCZM CICS classes
CDBC CICS-DBCTL interface log
CDB2 CICS DB2 messages
CDUL Transaction dump messages
CECO Event capture and emission messages
CEJL Java
CEPO Event processing messages
CIEO IP ECI messages
CIIL CORBA and IIOP messages
CISL IPCONN resource definition log
CISO IPIC messages
CJRM JRas logging and tracing facility messages (Java)
CKQQ CICS-MQ connection messages
CMIG Migration log for messages reporting the use of functions that are no longer supported
CMLO Markup language messages
CMQM CICS-MQ messages
CPIO CICS SOAP messages
CRDI Log for installed resource definitions
CRLO Resource lifecycle messages
CRPO ONC RPC messages
CSBA BA domain message queue
CSBR Bridge facility messages
CSCC CICS client error log
CSCS Sign on/off security log
CSDH Document handler
CSDL CEDA command log
CSFL File allocation and related messages
CSJE Redirected error output from CICS JVM
CSJO Redirected output from CICS JVM
CSKL Log for transaction and profile resource definitions
CSLB LIBRARY resource definition log
CSML Sign on/off messages
CSMT Write term errors and abends from DFHTACP and DFHACP
CSNE Terminal error messages issued from DFHZNAC.
CSOO Sockets domain message queue
CSPL Log for program resource definitions
CSQL  TDQUEUE messages
CSRL  Log for partner resource definitions
CSSH  Scheduler services
CSSL  Statistics log
CSTL  Term I/O error messages from DFHTACP
CSZL  FEPI message queue
CSZX  FEPI event queue
CWBO  CICS Web support messages
CWBW  HTTP warning headers on messages received by CICS Web support

**Note:** Destination CXRF is used by the alternate CICS system in an XRF environment until the other destinations are made available during the takeover.

- **Module(s)** – the name(s) of the module or modules that determined that the message should be sent. (This is not necessarily the module that issued the macro to write the message.)

**XMEOUT parameters**

Messages that can drive the XMEOUT global user exit include a list of XMEOUT parameters. The XMEOUT exit allows you to suppress or reroute messages that use the message domain.

A number of console messages should not be rerouted to a transient data queue. These include all DFHTDnnnn messages and certain DFHMEXMnnnn and DFHUSnnnn messages. A note to this effect is included in the descriptions of these messages.

For programming information about the XMEOUT user exit see the Message domain exit XMEOUT in the CICS Customization Guide.

**Route codes**

Console messages can be sent to a number of console types. The type of console to which a particular message is sent is determined by the MVS route code. Each route code maps onto one console type. The meanings of the route codes normally used by CICS are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Master console action – indicates a change in system status demanding operator action</td>
</tr>
<tr>
<td>2</td>
<td>Master console information – indicates a change in system status (system default)</td>
</tr>
<tr>
<td>3</td>
<td>Tape pool status or other tape related information</td>
</tr>
<tr>
<td>4</td>
<td>Direct access pool status or other related information</td>
</tr>
<tr>
<td>5</td>
<td>Tape library information</td>
</tr>
<tr>
<td>6</td>
<td>Disk library information</td>
</tr>
<tr>
<td>7</td>
<td>Unit record pool information</td>
</tr>
</tbody>
</table>
8 Teleprocessing control status

9 System security checking

Note: This route code suppresses the operator’s reply on the screen and on SYSLOG

10 System error or maintenance information

11 Programmer information for the MVS log

Unless otherwise stated, console messages have the route codes ‘2’ and ‘11’.

**Message editing**

You can use the message editing utility to change the text or language of those CICS messages that are issued by the message domain.

Messages that cannot be changed using the utility include a note to this effect before the message destination. See the CICS Operations and Utilities Guide for more information about the message editing utility.

**Console message reformatting**

The “console message handling facility” is an optional feature of the CICS subsystem that can affect the appearance of CICS messages displayed on an MVS console. It is effective when you specify FORMATMSG=YES as an initialization parameter for the CICS subsystem, as described in the CICS Transaction Server for z/OS Installation Guide.

**Terminal identifiers**

Some messages include a terminal identifier (termid) in the message text. This is normally shown as a 4-character identifier. However, when CICS cannot completely identify a terminal – for example, when intersystem communication is taking place, the terminal identifier is prefixed by the application identification (applid) of the system owning the terminal.

**Abend code inserts**

The transaction abend code insert (abcode) in some CICS messages is displayed as ‘????’ when neither the EXEC CICS ABEND request nor the DFHPC TYPE=ABEND macro request specifies an abend code.

**Dumps**

A dump is generally available for printing when a CICS system abend or abnormal termination occurs, provided the relevant data set has been specified. The dump can be used for problem determination.

**Terminology**

The terms “abnormally terminates” and “abnormal termination” are frequently used in a general sense to relate, as applicable, to one of the following:

- The termination of CICS as a result of an MVS ABEND macro. (The term “abend” may also be used.)
- The termination of a transaction (task) as a result of a CICS transaction ABEND macro.
Katakana terminal devices

Old-style Katakana terminals that support only single-byte character sets (SBCS) cannot display lower-case Western characters. Therefore, because of the requirement on CICS to issue certain messages in mixed-case, CICS cannot support display or terminal devices that are restricted to the SBCS Katakana part only of code page 930.

MVS user abend codes

DFH messages which accompany a CICS system, utility, or subtask abend have an associated MVS user abend code. Where possible, the value of this code is the numeric part of the corresponding DFH message. Thus DFH0305 has an 0305 user abend code. If an MVS abend code is issued but not the associated CICS message, the problem probably does not originate with CICS. See the description of the MVS abend code in the MVS System Codes manual for further information.

The highest possible value of an MVS user abend code is 4095, therefore any DFH message with a number higher than 4095 has an MVS user abend code that does not follow the above convention. The following are lists of the abend codes for messages with numbers above 4095, in order of abend code, and in order of message number.

Ordered by abend code

- 0108 DFH5263
- 0121 DFH5100
- 0123 DFH5175
- 0125 DFH5180
- 0126 DFH5184
- 0127 DFH5148
- 0147 DFH5721
- 0148 DFH5722
- 0149 DFH5723
- 0150 DFHER5724
- 0151 DFHER5725
- 0152 DFH5754
- 0161 DFHAK5802
- 0162 DFHAK5803
- 0170 DFHPS5394
- 0184 DFHJJC534
- 0185 DFHJJC530
- 0190 DFHXG6450
- 0191 DFHXG6451
- 0192 DFHXG6452
- 0193 DFHXG6453
- 0194 DFHXG6454
- 0195 DFHXG6440
- 0196 DFHXG6441
- 0197 DFHXG6442
• 0198 DFHXG6443
• 0200 DFHXA6540
• 0201 DFHXA6541
• 0202 DFHXG6444
• 0203 DFHXG6430
• 0204 DFHXA6530
• 0205 DFHXG6439
• 0206 DFHXG6415
• 0207 DFHXA6523
• 0209 DFHXG6427
• 0210 DFHXA6528
• 0211 DFH6529
• 0213 DFHXG6524
• 0214 DFHXA6580
• 0220 DFHXO6700
• 0221 DFHXO6704
• 0222 DFHXO6702
• 0223 DFHXO6703
• 0224 DFHXO6720

Ordered by message identifier
• DFHAK5802 0161
• DFHAK5803 0162
• DFHER5724 0150
• DFHER5725 0151
• DFHJC4530 0185
• DFHJC4534 0184
• DFHPS5394 0170
• DFHXA6523 0207
• DFHXA6528 0210
• DFHXA6530 0204
• DFHXA6540 0200
• DFHXA6541 0201
• DFHXA6580 0214
• DFHXG6415 0206
• DFHXG6427 0209
• DFHXG6430 0203
• DFHXG6439 0205
• DFHXG6440 0195
• DFHXG6441 0196
• DFHXG6442 0197
• DFHXG6443 0198
• DFHXG6444 0202
• DFHXG6450 0190
• DFHXG6451 0191
Note:
1. All messages which appear in the JES job log are prefixed by a time stamp and job number. Because of this, some messages will have their message text truncated. If the full message text is required, consult the MVS log as all messages in the JES log are duplicated in the MVS system log.
2. User abend 0225 is internal to CICS. It is issued by DFHDTES when, during backout, an entry in a hash table has been marked empty where it should not be possible. This causes the CICS region to be abnormally terminated. If this abend occurs, you will need help to resolve the problem.

DFH01nnnn messages

DFH0100  CICS SUBSYSTEM IS NOW INITIALIZED
Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB has been successfully initialized.
System action: None.  User response: None.
Module: DFHSSIN  Destination: Console

DFH0101  CICS SUBSYSTEM WAS NOT INITIALIZED
Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB could not be successfully initialized.
System action: The system continues without the services of the subsystem.
User response: Use the preceding DFH01xx message to investigate the reason why the subsystem could not be initialized. After correction, re-IPL MVS to initialize the subsystem.
Module: DFHSSIN  Destination: Console

DFH0102  CICS SUBSYSTEM COULD NOT LOAD MODULE module
Explanation: When trying to initialize the CICS subsystem, module module could not be loaded into common storage. The module must either be in the
MVS link pack or be capable of being loaded from a library in the MVS linklist concatenation by means of a LOAD GLOBAL=(YES,P) macro.

**System action:** The system issues message DFH0101 and does not initialize the subsystem.

**User response:** Investigate the reason why the module could not be loaded. After correction, re-IPL MVS to initialize the subsystem.

**Module:** DFHSSIN

**Destination:** Console

---

**DFH0103**

**Explanation:** The third positional parameter in the subsystem definition for the CICS subsystem is not a valid member name because it contains more than eight characters. In the entry in an IEFSSNxx member of SYS1.PARMLIB that defines the CICS subsystem, a parameter is coded that is not a valid name for a member containing CICS initialization parameters.

**System action:** The parameter coded is truncated to eight characters and the result is used as the member name for reading CICS parameters from SYS1.PARMLIB. Whether or not the resultant parameters are valid, the system later issues message DFH0101 and does not initialize the subsystem.

**User response:** Correct the definition of the CICS subsystem in the IEFSSNxx member of SYS1.PARMLIB. After correction, re-IPL MVS to initialize the subsystem.

**Module:** DFHSSIN

**Destination:** Console

---

**DFH0104**

**Explanation:** When examining CICS subsystem initialization parameters from the named member of SYS1.PARMLIB, a syntax error was detected. The record containing the error is shown in the message.

**System action:** The system issues message DFH0101 and does not initialize the subsystem.

**User response:** Correct the syntax error in the subsystem parameter. See the CICS Intercommunication Guide for details of the syntax of subsystem initialization parameters. After correction, re-IPL MVS to reinitialize the subsystem.

**Module:** DFHSSIN

**Destination:** Console

---

**DFH0105**

**Explanation:** Initialization of the CICS subsystem is not supported on MVS releases earlier than MVS SP 2.2.0.

**System action:** The system issues message DFH0101 and does not initialize the subsystem.

**User response:** Defer implementation of the CICS subsystem services until after the prerequisite release of MVS is installed.

**Module:** DFHSSIN

**Destination:** Console
**DFH42nn message**

**DFH4200  ** *jobname tranid*

**Explanation:** *jobname* is the jobname of CICS in the MVS system. CICS transaction *tranid* has issued a TC READ request to the operator console.

**System action:** The transaction is suspended pending a reply.

| **User response:** Enter a reply at the console. |
| **Module:** DFHZCNR |
| **Destination:** Console |

**DFH51nn messages**

**DFH51005  ** SEVERE ERROR IN MODULE *modname*.  
**ABEND CODE:** *abcode*

**Explanation:** An internal error has occurred in module *modname*, when invoked by a CSD utility command.

**System action:** Processing terminates abnormally with an operating system dump and abend code *abcode*. The CSD utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response:** See the description of abend code *abcode* for guidance.

| **Module:** DFHCSDUP |
| **Destination:** SYSPRINT |

**DFH5101I  ** command  **COMMAND EXECUTED SUCCESSFULLY.**

**Explanation:** The execution of a CSD utility command *command* completed successfully.

**System action:** Normal processing continues.

| **User response:** None. |
| **Module:** DFHCSDUP |
| **Destination:** SYSPRINT |

**DFH5102I  ** WARNING MESSAGES ISSUED WHILE PROCESSING command COMMAND.

**Explanation:** The CSD utility issued messages during syntax-checking and execution of the *command* command.

**System action:** Normal utility processing continues to the end of the job.

| **User response:** Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job. |
| **Module:** DFHCSDUP |
| **Destination:** SYSPRINT |

**DFH5103I  ** ERROR(S) OCCURRED WHILE PROCESSING command COMMAND.

**Explanation:** The CSD utility either found a syntax error in the utility command *command*, or the command *command* failed to execute correctly.

**System action:** Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

| **User response:** If the command failed because of syntax errors, correct the command. If the command failed to execute correctly, this may have been caused by a previous error. In such a situation, an associated error message, such as DFH5275, should have been issued. Refer to these error messages for further guidance. Correct all errors before trying to open the CSD file again. |
| **Module:** DFHCSDUP |
| **Destination:** SYSPRINT |

**DFH5104W  ** SUBSEQUENT COMMANDS (EXCEPT LIST) ARE NOT EXECUTED BECAUSE OF ERROR(S) ABOVE.

**Explanation:** After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a Put-Message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which will still be executed if the primary CSD file can be opened.

**System action:** Subsequent CSD utility commands (except LIST) are ignored.

| **User response:** Check for a syntax error in the commands used and correct it. |
DFH5105W • DFH5114S

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in DFHCSDUP output before message DFH5104 is issued.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5105W**  
**command** COMMAND NOT EXECUTED BECAUSE OF PREVIOUS ERROR(S).  

**Explanation:** If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

**System action:** The CSD utility command is not executed.

**User response:** Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5107I** COMMANDS EXECUTED SUCCESSFULLY: nn COMMANDS GIVING WARNINGS: nn COMMANDS IN ERROR: nn

**Explanation:** The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

**System action:** Normal processing continues to the end of the job.

**User response:** If any CSD utility commands in error were executed, decide if the results are what you want.

If they are NOT what you want, correct them and resubmit them in another job.

If any commands were not executed, you must resubmit them. (See message DFH5108.)

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5108I** COMMANDS NOT EXECUTED AFTER ERROR(S): nn

**Explanation:** The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by nn.

**System action:** Normal processing continues to the end of the job.

---

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5109I** END OF DFHCSDUP UTILITY JOB. HIGHEST RETURN CODE WAS: retcode

**Explanation:** The CSD utility job is complete.

**System action:** Control returns to the invoker, that is, either the operating system or to an invoking program.

**User response:** None.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5110W** ERROR FOUND IN 'PARM=' PARAMETER DATA ON EXEC JOB STEP. THIS DATA IS IGNORED.

**Explanation:** The value of the PARM parameter on the EXEC job in the JCL to run the DFHCSDUP utility is incorrect.

**System action:** The PARM parameter is ignored. The CSD is opened for read and write operations.

**User response:** Correct the erroneous PARM value. The incorrect value can be found in the job step.

The CICS Operations and Utilities Guide describes how to code the PARM parameter.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

**DFH5114S** THE { PRIMARY | SECONDARY} CSD HAS NOT BEEN INITIALIZED. COMMAND NOT EXECUTED.

**Explanation:** The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully.

**System action:** The CSD utility ignores the command.

**User response:** Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT
DFH5115S THE PRIMARY CSD IS ALREADY INITIALIZED. COMMAND NOT EXECUTED.

Explanation: An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

System action: The INITIALIZE or SERVICE command is ignored.

User response: Confirm that the correct CSD file was specified.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5116S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID KEY LENGTH. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System action: The CSD file remains uninitialized, and no utility commands are processed.

User response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5117S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID RECORD SIZE. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System action: The CSD file remains uninitialized, and no utility commands are processed.

User response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(200 2000). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5120 I PRIMARY CSD OPENED; DDNAME: ddname - DSNAME: dsname

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System action: Normal processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5121S I/O ERROR WHILE OPENING PRIMARY CSD; DDNAME: ddname

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System action: The utility command is not executed.

User response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5122S VSAM ERROR WHILE OPENING PRIMARY CSD; DDNAME: ddname

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System action: The utility command is not executed.

User response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5123 I PRIMARY CSD CLOSED; DDNAME: ddname - DSNAME: dsname

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System action: Normal processing continues.
DFH5124 S • DFH5128S

User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5124 S PROCESSING TERMINATED.
CORRUPTED CSD CONTROL
RECORD DETECTED WHILE
CLOSING {PRIMARY | SECONDARY}
CSD; DDNAME ddname

Explanation: A storage corruption is preventing the
CSD control records from being updated when the CSD
file is being closed.

System action: No further CSD utility commands are processed.

User response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5125 S ERROR OCCURRED WHILE CLOSING
THE {PRIMARY | SECONDARY} CSD.
FILE IS FULL; DDNAME: ddname

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set ddname was full.

System action: Utility command processing is terminated.

User response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5126S I/O ERROR WHILE CLOSING THE
{PRIMARY | SECONDARY} CSD;
DDNAME: ddname

Explanation: An I/O error occurred when reading or writing the control records of the CSD file, before closing VSAM data set ddname.

System action: No further utility commands are executed.

User response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5127S VSAM ERROR WHILE CLOSING
{PRIMARY | SECONDARY} CSD;
DDNAME: ddname

Explanation: A VSAM error occurred when closing the data set ddname in the JCL as the primary or secondary CSD file.

System action: No further CSD utility commands are executed.

User response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5128S PROCESSING TERMINATED.
{PRIMARY | SECONDARY} CSD
ACCESS BY ANOTHER USER AND
COULD NOT BE SHARED. DDNAME:
ddname

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that

• An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
• An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
• An attempt has been made to open the CSD in non-RLS access mode and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System action: The command is not executed.

User response: You can change the access mode in which you are trying to open the CSD. to open a
recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Module: DFHCSDUP
Destination: SYSPRINT

DFH5130E UNABLE TO LOCATE MODULE DFHCICS. PRIMARY CSD NOT INITIALIZED.

Explanation: The DFHCICS module is missing from the library.

System action: Processing of the INITIALIZE command is terminated.

User response: Ensure that the DFHCICS module is present in the library.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5131I LIST listid CREATED.

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System action: Normal processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5132S UNABLE TO CREATE LIST listid

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System action: Processing of the INITIALIZE command is terminated.

User response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5133S CSD CONTAINS ONE OR MORE LISTS. NO LISTS MAY BE PRESENT ON THE CSD WHEN THE INITIALIZE COMMAND IS ISSUED.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System action: Processing of the INITIALIZE command is terminated.

User response: Redefine the data set and re-run the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5134S ERROR OCCURRED WHILE ADDING GROUP grpname TO LIST listid

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group grpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

System action: Processing of the INITIALIZE command is terminated.

User response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5135I GROUP grpname ADDED TO LIST listid

Explanation: A group definition grpname has been satisfactorily created on the CSD file in list listid.

System action: Processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5136W GROUP grpname IS ALREADY A MEMBER OF LIST listid

Explanation: Group grpname already exists in list listid. CICS does not create a duplicate entry.

System action: Normal utility processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT
DFH5137 E  GROUP grpname NOT FOUND IN LIST listid

Explanation: The group grpname entered in the ADD command as the AFTER or BEFORE name could not be found in the list listid. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System action: Normal utility processing continues.

User response: Reenter the command with a group name that exists in this list.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5139W CONSIDER IMPLICATIONS OF MIGRATING TYPE=SHARED ENTRIES.

Explanation: The CSD utility detected a migrate of a TST TYPE=SHARED entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TSMODEL created.

System action: The CSD utility continues processing of the MIGRATE command.

User response: If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the CICS Resource Definition Guide for more information.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5140I TOTAL xxxxxxxx DEFINITIONS CREATED: nn

Explanation: CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

System action: Normal utility processing continues.

User response: None.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5141S UNABLE TO CREATE NEW GROUP grpname

Explanation: The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group grpname on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System action: Processing of the MIGRATE command is terminated.

User response: Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5142E COMMAND NOT EXECUTED. lgname WAS NOT UPDATED BECAUSE OF A PREVIOUS UPDATE FAILURE.

Explanation: The list or group lgname cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5143I GROUP grpname CREATED.

Explanation: A new CSD group, grpname, has been created for the data in the table being migrated.

System action: Migration continues.

User response: None.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5145E COMMAND NOT EXECUTED. lgname HAS BEEN LOCKED BY APPLID applid, OPID:opid TO PREVENT UPDATING.

Explanation: The list or group lgname cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LISTcommand) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)
If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

**User response:** Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

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### DFH5146E  COMMAND NOT EXECUTED.  Igname  IS CURRENTLY BEING UPDATED BY APPLIDapplid, OPIDopid

**Explanation:** The list or group Igname cannot be used because:
- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

**System action:** The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

**User response:** Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

### DFH5149 E  COMMAND NOT EXECUTED.  xxxxxxx  IS IBM-PROTECTED.

**Explanation:** A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

**System action:** The CSD utility does not create a definition.

**User response:** Change the input command to name a target group or list whose name does not begin with DFH.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

### DFH5150W  OPTION CONFLICTS WITH yyyyyyy OPTION AND IS IGNORED FOR restype resname

**Explanation:** The options, xxxxxxx and yyyyyyy, specified for the resource type restype with name resname are mutually exclusive.

**System action:** The utility ignores option xxxxxxx.

**User response:** None.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

### DFH5151I  RESOURCE NOT ALTERED.  xxxxxxx  IS IBM-PROTECTED.

**Explanation:** During the execution of an ALTER command containing a generic group name, a matching
group was found which is an IBM-supplied group and is protected.

System action: The CSD utility does not alter the definition in the specified group.

User response: None.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5155W [TDQUEUE] xxxxxxxx HAS SAME NAME AS AN IBM SUPPLIED DEFINITION IN GROUP grpname.

Explanation: The name of the migrated table entry, xxxxxxxx, matches the name of an IBM-supplied resource in IBM-protected group grpname, created by the INITIALIZE command.

System action: CICS migrates this entry normally.

User response: If necessary, rename the resource, using the CEDA transaction.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5161S TABLE table MUST BE LINK-EDITED WITH AMODE(24) RMODE(24).

Explanation: After loading the table table, the migration routine checks that the table being processed has been link-edited with the correct AMODE and RMODE attributes. For migration purposes, tables must be link-edited with AMODE(24) RMODE(24).

System action: The MIGRATE command is not processed.

User response: Relink the table with the correct attributes.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5164W NO DEFINITION OF resource object CREATED. THIS DUPLICATES AN EXISTING DEFINITION IN GROUP grpname.

Explanation: The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- resource is the type of resource.
- object is the name of the object.
- grpname is the name of the group.

System action: The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

User response: Use the CEDA transaction to define the resource with a unique name.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5156W [TDQUEUE] DID NOT MIGRATE. ITS PROPERTIES MATCH AN IBM-SUPPLIED DEFINITION IN GROUP grpname.

Explanation: The properties of the resource defined in the user's table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group grpname.

System action: The entry for the user's resource is not migrated.

User response: None.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5159I resource object DEFINED IN GROUP grpname.

Explanation: The CSD utility has successfully added a resource definition to a group, where:

- resource is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCCLASS, TRANSACTION, or TYPETERM).
- object is the name of the object.
- grpname is the name of the group.

System action: Normal utility processing continues.

User response: None.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5165S PROCESSING IS TERMINATED. AN ERROR OCCURRED WHILE WRITING resource object TO THE CSD.

Explanation: An error occurred when the CSD utility called DFHDMP to write the definition of the object object to the CSD file.

The CSD file may be full or corrupted.

resource is the type of resource.

System action: If the CSD is full, the CSD utility issues message DFH5176, and then terminates with a return code of 12 in message DFH5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFH5175, usually accompanied by one or more of the explanatory messages, DFH5177, DFH5178, and DFH5179.

User response: Use the additional messages to
To determine the cause of the error and the appropriate user action required:

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

### DFH5166E  DISALLOWED CHARACTER IN resource NAME object

**Explanation:** The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid.

*resource* is the type of resource, and *object* is the name of the object.

**System action:** A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response:** Use the CEDA transaction to define the resource with a valid name.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

### DFH5169S  THE CSECTS IN TABLE table HAVE BEEN LINK-EDITED IN THE WRONG ORDER.

**Explanation:** While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table *table* are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

**System action:** The CSD utility does not process the MIGRATE command.

**User response:** Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

### DFH5174W  PROCESSING IS TERMINATED. COMMAND CANNOT BE EXECUTED BECAUSE 'PARM=CSD(READONLY)' WAS SPECIFIED.

**Explanation:** This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

**System action:** This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.) If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Amend the JCL to specify 'PARM=CSD(READWRITE)'.

accessing it in RLS mode, you cannot specify READWRITE access. To perform the command, access the CSD in non-RLS mode.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

### DFH5175S  PROCESSING IS TERMINATED. UNEXPECTED RESPONSE FROM function IN CSD MANAGER.

**Explanation:** An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function is:

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

---

Chapter 4. DFH messages - DFH01 to DFHM  255
function that failed is function.

**System action:** DFHCSDUP issues additional messages and then:
- Terminates normally for CSD open/close errors, and the CSD-full condition, or
- Terminates abnormally for all other situations.

**User response:** Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

**Module:** DFHCSDUP
**Destination:** SYSPRINT

DFH5176S  PROCESSING IS TERMINATED. CSD IS FULL.

**Explanation:** The VSAM data set containing the CSD file is full.

**System action:** Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

**User response:** First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy. (You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.)

**Module:** DFHCSDUP
**Destination:** SYSPRINT

DFH5177S  PROCESSING IS TERMINATED. CSD I/O ERROR OCCURRED.

**Explanation:** An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

**System action:** DFHCSDUP issues additional messages and terminates abnormally.

**User response:** Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

**Module:** DFHCSDUP
**Destination:** SYSPRINT

DFH5178S  PROCESSING IS TERMINATED. SEVERE CSD ERROR OCCURRED.

**Explanation:** An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

**System action:** DFHCSDUP issues additional messages and terminates abnormally.

**User response:** See the VSAM diagnostics given in message DFH5179.

**Module:** DFHCSDUP
**Destination:** SYSPRINT

DFH5179S  VSAM ERROR. RETURN CODE = nn ERROR CODE = ddd(yy) CONTROL BLOCK TYPE = {RPL \ ACB}

**Explanation:** VSAM returned the following diagnostics when an error occurred, where:
- \( nn \) is the hexadecimal VSAM return code
- \( yy \) is the hexadecimal VSAM error code (\( ddd \) is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  - RPL = Request macro responses from VSAM
  - ACB = OPEN/CLOSE responses

The error code is:
- For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
- For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

**System action:** The CSD utility terminates command processing, and in some situations, produces an operating system dump.

**User response:** For the meaning of the VSAM return and error codes, refer to the DFSMS/MVS V1R3 Macro Instructions for Data Sets manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:
- The data set is being concurrently accessed by CICS running in another region.
· You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.

· LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized. a recoverable CSD.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5180S PROCESSING IS TERMINATED.  
ERROR OCCURRED WHILE CSD WAS BEING READ BY {SETBROWSE | GETNEXT} {SCANSETS | SCANOBS}

**Explanation:** When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

**System action:** The CSD utility terminates with an MVS abend 0325.

**User response:** This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5181W NO MATCH FOUND FOR GENERIC {GROUP | LIST} IDENTIFIER xxxxxxx

**Explanation:** The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5182W {GROUP | LIST} xxxxxxx DOES NOT EXIST.

**Explanation:** The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

**System action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response:** Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5183W {GROUP | LIST} xxxxxxx EXISTS AS A {GROUP | LIST} NAME.

**Explanation:** The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response:** Correct the LIST command or the DELETE command to use a valid group or list name.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5184S PROCESSING IS TERMINATED.  
INVALID OUTPUT FROM DFHPUP. CANNOT FORMAT DATA FOR UTILITY LISTING.

**Explanation:** There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System action:** The CSD utility terminates with an MVS abend 0326.

**User response:** This error must be reported. Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the error(s) have occurred because they will refuse to print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5186W NO RESOURCES DEFINED IN GROUP grpname OR NO GROUPS DEFINED IN LIST lstid

**Explanation:** In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

**System action:** The utility continues to process the LIST command, but will not tabulate elements of the
DFH5187I  DFH5192S

A resource called by a CEDA transaction or a previous utility job is locked.

User response:  Run the DFHCSDUP VERIFY utility.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5187I  resource IS LOCKED, BUT IS NOT THE NAME OF A GROUP OR LIST.

Explanation:  The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System action:  The utility continues normal processing of the VERIFY command.

User response:  None.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5188I  GROUP | LIST | RESERVED NAME

resource IS NOW AVAILABLE FOR USE.

Explanation:  The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System action:  Normal processing of the VERIFY command continues.

User response:  None.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5189I  CSD VERIFY PROCESS COMPLETED SUCCESSFULLY.

Explanation:  The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System action:  Normal processing continues.

User response:  None.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5190S  COMMAND IS NOT EXECUTED.  UNABLE TO GET STORAGE FOR SERVICE MODULE progname

Explanation:  There is insufficient storage available to load the service module progname, that is to be loaded and executed by DFHCSDUP.

System action:  Utility command execution is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response:  Ensure that there is sufficient storage allocated to load module progname.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5191I  SERVICE PROGRAM progname IS RUNNING.

Explanation:  The service module progname has been loaded correctly. Execution of the module has started.

System action:  Normal processing continues.

User response:  None.

Module:  DFHCSDUP

Destination:  SYSPRINT

DFH5192S  COMMAND IS NOT EXECUTED.  CSD SERVICE LEVEL ttt IS INCOMPATIBLE WITH CURRENT SERVICE LEVEL sss

Explanation:  Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

System action:  The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response:  The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

Module:  DFHCSDUP

Destination:  SYSPRINT
DFH5193S COMMAND IS NOT EXECUTED.
SERVICE MODULE progname IS UNABLE TO UPGRADE CSD TO TARGET SERVICE LEVEL ttt

Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module progname being applied to the CSD file.

System action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response: Ensure that the service module progname being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level ttt.)

Module: DFHCSDUP
Destination: SYSPRINT

DFH5194I UPGRAADING SERVICE STATUS OF CSD FROM LEVEL sss TO LEVEL ttt

Explanation: The loaded service module is performing the required upgrade of the CSD file from service level sss to service level ttt.

System action: Normal processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5195I EXECUTION OF SERVICE PROGRAM progname COMPLETE.

Explanation: The loaded service program progname has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System action: Normal processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5196S COMMAND IS TERMINATED. ERROR OCCURRED WHILE READING CONTROL SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the specified CSD file.

System action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5197S COMMAND IS TERMINATED. UNRECOGNIZED CONTROL RECORD ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The contents of a control record of the secondary input CSD are invalid.

System action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: DFHCSDUP
DFH5198I CSD RECORD MODIFIED FOR xxxxxxx

Explanation: The specified modification to a record on the CSD file has taken place.
The insert, xxxxxxx, is the element type.

System action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its
date-and-time field is updated when copied to the output (primary) CSD file.

User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5199W INVALID FIELD ENCOUNTERED IN EXISTING RECORD FOR xxxxxxx

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified
for element xxxxxxx.

System action: Normal processing continues, and the invalid record is left unchanged on the new (primary)
CSD file.

User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH52nn messages

DFH5200S COMMAND NOT EXECUTED. NO VALID LANGUAGE TABLE WAS LOADED.

Explanation: Either the CSD utility found that the RDO language table had not been loaded correctly, or
that it contained invalid data.

System action: The CSD utility terminates, because it cannot process any commands.

User response: Check that the correct version of the RDO language table (DFHEITCU) is in the program library.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5201S command COMMAND IS NOT VALID. COMMAND NOT EXECUTED.

Explanation: The CSD utility does not recognize the command.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5202S INCORRECT SYNTAX FOR command COMMAND. COMMAND NOT EXECUTED.

Explanation: The syntax of the command is incorrect.

System action: The CSD utility ignores the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5203W RIGHT PARENTHESIS ASSUMED AFTER THE VALUE OF xxxx.

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or
a keyword value in excess of 256 bytes has been specified.

System action: The CSD utility executes the command as if the right parenthesis was present.

User response: Confirm that the correction applied by the utility generated the required command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5204E COMMAND NOT EXECUTED. xxxx KEYWORD IS NOT VALID.

Explanation: The keyword xxxx is not valid on this command.

System action: The utility command is ignored.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5205E COMMAND NOT EXECUTED. NO VALUE WAS SPECIFIED FOR xxxx.

Explanation: The option xxxx is incomplete, possibly because a value has been omitted.

System action: This CSD utility command is ignored.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5206E COMMAND NOT EXECUTED.

Module: DFHCSDUP
Destination: SYSPRINT
DUPLICATE SPECIFICATION OF xxxx.
Explanation: Option xxxx appears twice on a single CSD utility command.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5207E COMMAND NOT EXECUTED.
xxxxxx DOES NOT REQUIRE A VALUE.
Explanation: The CSD utility detected an input command coded with a value for option xxxxxx when no value was required.
System action: The utility does not process the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5208 W RESOURCE DEFINED BUT NO VALUE WAS SPECIFIED FOR xxxxxx.
ENSURE THAT THE RESOURCE IS UPDATED.
Explanation: The CSD utility detected that an input command did not have a value for the specified keyword xxxxxx, when a value was required.
System action: The utility processes the command and ignores the specified keyword.
User response: Correct the input command and update the defined CICS resource.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5209 W NO COMMAND ENCOUNTERED. THE INPUT FILE MIGHT BE EMPTY.
Explanation: The CSD utility detected that an input command was missing. A valid CSD input command was expected but not found.
System action: The utility continues processing the input file.
User response: Ensure that you have valid DFHCSDUP input commands in the SYSIN data stream. If you are using the UPGRADE USING(file name) command, ensure that the input file contains valid commands.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5210E COMMAND NOT EXECUTED.
INVALID VALUE WAS SPECIFIED FOR xxxx.
Explanation: The CSD utility detected an input command coded with an invalid value for option xxxx.
System action: The utility does not process the command.
User response: Correct the value.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5211E COMMAND NOT EXECUTED.
OPERAND DELIMITER x WAS MISPLACED.
Explanation: The CSD utility has detected an input command coded with a misplaced option delimiter x.
System action: The utility does not process the command.
User response: Place the delimiter correctly.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5212E COMMAND NOT EXECUTED. comptype
string IS NOT UNIQUELY IDENTIFIABLE.
Explanation: An ambiguous DFHCSDUP command has been specified.
• comptype is the command component type
• string is the actual component.
System action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User response: Correct the command syntax and retry. See accompanying message DFH5213 for further details of the command failure.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5213E SPECIFIED input COULD BE INTERPRETED AS match1 OR match2.
Explanation: An ambiguous DFHCSDUP command has been specified.
• input is the ambiguous character string
• match1 and match2 are two possible interpretations of input.
System action: The command is not executed. If commands are being read from a SYSIN data stream,
subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Correct the command syntax and retry.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5214W  *keyword* IS AN OBSOLETE KEYWORD. IT IS IGNORED.

**Explanation:** The CSD utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS, but the command can be used as input to the CSD utility for an earlier release.

**System action:** The utility ignores the keyword.

**User response:** Confirm that the resulting utility command is correct for this release of CICS.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5215E COMMAND NOT EXECUTED. A CLOSING PARENTHESIS HAS BEEN OMITTED FROM A NULL VALUE SPECIFIED ON AN ALTER COMMAND.

**Explanation:** A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

**System action:** The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Correct the command syntax and retry.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5216E  *restype resname* IS NOT IN GROUP *group*.

**Explanation:** A nonexistent resource of type *restype* and name *resname*, has been specified on an ALTER command.

**System action:** The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Correct the command syntax and retry.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5217E COMMAND NOT EXECUTED. A CLOSING BRACKET HAS BEEN OMITTED FROM A *xxxx* KEYWORD.

**Explanation:** A closing bracket has been omitted from the *xxxx* keyword on a DFHCSDUP DEFINE command.

**System action:** The DEFINE command is not executed.

**User response:** Correct the DEFINE command syntax and retry.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5218I ALTERING *Resource type* *Resource name* IN GROUP *Group name*.

**Explanation:** During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting *resource name* and/or *group name* respectively.

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5219W NO MATCH FOUND ON CSD FILE FOR *Resource type* *Resource name* GROUP *Group name*.

**Explanation:** The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

DFH5220E COMMAND NOT EXECUTED. *xxxxxxx* MUST BE THE FIRST COMMAND.

**Explanation:** The CSD utility found an INITIALIZE command after other commands.

**System action:** The CSD utility ignores the command.
DFH5222E  COMMAND NOT EXECUTED.  KEYWORD WAS OMITTED OR SPECIFIED INCORRECTLY.

Explanation: A required keyword was omitted from a CSD utility command.

System action: The utility ignores the command.

User response: Specify keyword.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5223E  COMMAND NOT EXECUTED.  KEYWORD CONFLICTS WITH KEYWORD.

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.

System action: The utility command is ignored.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5224E  COMMAND NOT EXECUTED.  VALUE OF IS OUT OF VALID RANGE.

Explanation: The CSD utility detected an input command coded with a numeric value for value which was outside the valid range.

System action: The utility does not process the command.

User response: Correct the value.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5225E  COMMAND NOT EXECUTED.  SAME NAME SPECIFIED FOR 'TO' AND .

Explanation: This message is issued for one of the following reasons:
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System action: The utility does not process the command.

User response: Correct the command and resubmit.

Module: DFHCSDUP
Destination: SYSPRINT

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DFH5230I  ERASE COMMAND IS OBSOLETE. USE THE DELETE COMMAND.

Explanation: The CSD utility detected the obsolete ERASE command in its input.

System action: The utility processes the command as a DELETE command.

User response: In future, use the DELETE command instead of the ERASE command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5231E  COMMAND NOT EXECUTED. xxxxxxxx IS INCOMPATIBLE WITH THE MIGRATE COMMAND FOR table-type TABLES.

Explanation: An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System action: The CSD utility terminates.

User response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5232E  COMMAND NOT EXECUTED. xxxxxxxx PARAMETER MUST NOT BEGIN WITH 'DFH'.

Explanation: In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.

System action: The utility does not process the command.

User response: Resubmit with a valid table name or group name.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5233E  COMMAND NOT EXECUTED. xxx TABLE TYPE IS NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.

System action: The utility does not process the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5234E  COMMAND NOT EXECUTED. command IS NOT SUPPORTED.

Explanation: The CSD utility detected a command command in its input which is not supported by RDO.

System action: The utility does not process the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5235E  COMMAND NOT EXECUTED. GROUP OR LIST MUST BE SPECIFIED.

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System action: The utility command is not executed. This message is followed by DFH5104.

User response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5236I  A USER EXIT PROGRAM HAS BEEN SPECIFIED ON THE ENTRY LINKAGE AND ON THE USERPROGRAM KEYWORD. THE PROGRAM SPECIFIED ON THE ENTRY LINKAGE HAS BEEN IGNORED.

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System action: The program specified on the USERPROGRAM keyword is used.

User response: Ensure that the user program used is the one intended.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5240S  PROCESSING TERMINATED. ERROR OCCURRED WHILE INPUT UTILITY COMMAND WAS BEING READ.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System action: The CSD utility terminates abnormally without processing the input commands.

User response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output
data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5241S PROCESSING TERMINATED.
INVALID RECORD LENGTH ON INPUT UTILITY COMMAND DATA STREAM.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System action: The CSD utility cannot process any commands. The utility attempts to
  1. Close any files previously opened internally.
  2. Unload any extract exit routines that were dynamically loaded.
  3. Invoke the termination exit routine (if supplied).
  4. Return control to the invoker of the utility.

User response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5242E COMMAND NOT PROCESSED. TOO MANY CONTINUATION RECORDS FOR INPUT UTILITY COMMAND.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System action: The utility does not process the command.

User response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5250E TO(groupname) CONTAINS TOO MANY NON CONTIGUOUS "".

Explanation: During the execution of a generic COPY command, the batch update utility found the argument of the TO parameter specified too many non contiguous asterisks.

Only one "" is allowed in the TO parameter during the execution of a generic copy.

System action: The utility rejects the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5254E resource object ALREADY EXISTS IN THE TARGET GROUP.

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where
  • resource is the type of resource
  • object is the name of the object

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System action: The CSD utility does not process the command.

User response: Change the name in the command, or alter the name of the existing definition.

Module: DFHCS Dup
Destination: SYSPRINT

DFH5255E LIST xxxxxxx NOT FOUND IN CSD FILE - DDNAME: ddbname

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME ddbname.

System action: The utility does not process the command.

User response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Module: DFHCS Dup
Destination: SYSPRINT

DFH5256E NO RESOURCES DEFINED IN GROUP grpname.

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User response: Run the DFHCS Dup VERIFY utility to verify the group.

Module: DFHCS Dup
Destination: SYSPRINT

DFH5257E LENGTH OF 'TO' PREFIX MUST BE LESS THAN OR EQUAL TO LENGTH OF 'GROUP' PREFIX.

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System action: The utility ignores the command to prevent truncation of the TO group name.

User response: Correct the command.

Module: DFHCS Dup
Destination: SYSPRINT

DFH5258I COPYING GROUP grpname1 TO grpname2

Explanation: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

System action: Normal processing continues.

User response: None.

Module: DFHCS Dup
Destination: SYSPRINT

DFH5259I UNRECOGNIZED RESOURCE TYPE FOUND IN THE CSD FILE AND HAS BEEN IGNORED.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System action: The resource is ignored and the operation continues.

User response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCS Dup
Destination: SYSPRINT
**DFH5260E**  LENGTH OF 'TO' SUFFIX MUST BE EQUAL TO LENGTH OF 'GROUP' SUFFIX.

**Explanation:** During the execution of a generic COPY command, the batch update utility found the length of the suffix of the generic group specified in the TO keyword to be of different length than that of the suffix of the generic GROUP keyword.

**System action:** The utility ignores the command to prevent ambiguity on the TO group name.

**User response:** Correct the command.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

**DFH5261W**  RDT IS EMPTY. NO z/OS Communications Server RESOURCES IN ASSEMBLED TABLE.

**Explanation:** The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

**System action:** The utility does not create any CSD definitions.

**User response:** Check the TCT source code to see if it contains any RDO-supported definitions. If it does, check that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

**DFH5262S**  INSUFFICIENT STORAGE TO BUILD TYPE-MATCHING CHAIN.

**Explanation:** During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

**System action:** The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated will remain on the CSD. The MVS user abend code is 0308.

**User response:**
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

**DFH5263E**  ERROR IN INPUT RDT. INCORRECT SEQUENCE OF COMMANDS.

**Explanation:** During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

**System action:** The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response:**
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

**DFH5264W**  RESOURCE object NOT DEFINED. GROUP grpname NOT AVAILABLE.

**Explanation:** During the migration of a TCT, the CSD utility could not define a resource object because the target group grpname was not available. The utility has issued a previous message indicating the reason.

**System action:** The utility creates no definition for resource object. Normal utility processing continues.

**User response:** Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

---

**DFH5265W**  ACTION REQUIRED TO FIND A SUITABLE TYPETERM FOR TERMINAL termid.

**Explanation:** While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

**System action:** The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.
User response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5266W  SESSIONS sessions NOT DEFINED BECAUSE OF ERROR IN ASSOCIATED CONNECTION.

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System action: The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5270I  [GROUP | LIST] xxxxxxxx DELETED FROM THE CSD.

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System action: Normal utility processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5271W  resource object DELETED FROM GROUP.

Explanation: The CSD utility successfully deleted the named resource, where
- resource is the type of resource
- object is the name of the object.

System action: Normal utility processing continues.

User response: None.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5273 W  resource object IS NOT IN GROUP grpname.

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where
- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System action: The utility does not process the DELETE command.

User response: Check that you have coded the group and resource names correctly.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5274 W  resource object NOT MIGRATED.

Explanation: During the migration of a table, the CSD utility could not define the resource resource because the target group groupname was not available. The utility has issued a previous message indicating the reason why.

System action: The utility creates no definition for the resource named object. Normal utility processing continues.

User response: Review the original message. If necessary recode the TYPE=GROUP macro in the table source to name a suitable group.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5275S  COMMAND NOT EXECUTED. GROUP grpname IS NOT THE MEMBER OF LIST listname.

Explanation: The REMOVE command being executed names a GROUP that is not a member of LIST listname.

System action: The command is not executed.

User response: If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands)
are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5276I  DFH5284E

Explanation: The REMOVE command has successfully removed group grpname from LIST listname.
System action: Normal execution continues.
User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5277I  DFH5285S

Explanation: The final group has been removed from list listname. The list has therefore been deleted.
System action: Processing continues.
User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5280I  DFH5286E

Explanation: The CSD utility has successfully loaded data from the named library member.
System action: Normal utility processing continues.
User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5281S

Explanation: The CSD utility has found an error in data loaded from the named library member.
System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.
User response: Obtain a dump containing the failing library member.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5282E  UNABLE TO GET STORAGE FOR LIBRARY MEMBER xxxxxxxx.

Explanation: There is insufficient storage available to load the library member xxxxxxxx.
System action: The utility terminates processing of the command that required access to the named library member.
User response: Allocate a larger region size in the utility JCL and resubmit the job.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5283S  RDL SUBCOMMAND EXCEEDS 1536 BYTES: xxxxxxxx.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.
System action: The CSD utility terminates abnormally.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

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Destination: SYSPRINT

DFH5285E  INVALID VERB IN RDL
SUBCOMMAND: xxxxxxx.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5286E  UNABLE TO CREATE RESOURCE DEFINITION ON CSD FILE, RDL
SUBCOMMAND xxxxxxx.

Explanation: This message is issued during the processing of the indicated (truncated) command for one of the following reasons:
1. The CSD is full (in which case, messages DFH5175 and DFH5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFH5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFH5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFH5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System action: The system action depends on the reason the message is issued, as follows:
1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.

User response: This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5287E  EXTRACT TERMINATED AT USER'S REQUEST. RC=retcode.

Explanation: A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a non-zero value in register 15 on return from a user exit program. Subsequent messages will indicate any further problems encountered by the utility.

System action: Execution of the utility command is terminated. This message is followed by DFH5104.

User response: Determine the cause of the error detected by the user exit program using the return code retcode provided and the relevant documentation of the user exit program.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5288E  GET-COMMAND TERMINATED AT USER'S REQUEST. RC=xx.

Explanation: The GET-COMMAND exit has returned a value other than UERCNORM ('00'X) or UERCDONE ('04'X) indicating that the GET-COMMAND exit was unsuccessful.

System action: Execution of the utility command is terminated.

User response: Correct the operation of the GET-COMMAND user exit before re-running the utility.
Consult the documentation or listing supplied with the user exit for information on how to diagnose and fix the problem.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5290W  
**TABLE tabtype MACRO mactype=value IS NOT SUPPORTED. VALUE IS CHANGED TO newvalue.**

**Explanation:** During a table `tabtype` migration for `macro` `mactype`, `value` is not supported. `value` has been migrated as `newvalue`.

**System action:** The utility creates the definition for the resource with the changed value. Normal utility processing continues.

**User response:** Review the object definition to ensure that the modified definition is acceptable.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5291E  
**UNABLE TO DEFINE OBJECT object IN GROUP group. MIGRATION IS TERMINATED.**

**Explanation:** The DFHCSDUP migration utility could not define `object` in the `group` specified. The migration cannot continue.

**System action:** The utility terminates the migration of the table.

**User response:** Reassemble the table with the current release macro source.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5292 W  
**OBJECT object NOT DEFINED FOR TABLE ITEM name DUE TO PREVIOUS ERROR. MIGRATION CONTINUES.**

**Explanation:** The DFHCSDUP migration utility could not define `object` for the table item `name`. The migration continues.

**System action:** The utility continues the table migration without defining the object.

**User response:** Correct the prior errors and manually define the skipped objects.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5293 W  
**TOTAL object DEFINITIONS SKIPPED DUE TO ERROR: number**

**Explanation:** CICS issues this message after migrating a CICS table. `number` definitions of type `object` were not migrated. See one or more DFH5292 messages issued prior to this message.

**System action:** Utility processing continues.

**User response:** Correct the prior errors and manually define the skipped objects.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5294 E  
**number object-1 WERE NOT MATCHED WITH A CORRESPONDING object-2.**

**Explanation:** CICS issues this message if there are `object-1` table definitions that have not been defined because the table was not defined correctly. `object-1` table definitions must refer to a `object-2` in the table.

**System action:** The migration of the table ends.

**User response:** Reassemble the table with the current release macro source.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5296W  
**TABLE tabtype TYPE=mactype parameter DOES NOT SUPPORT MULTIPLE VALUES.**

**Explanation:** Multiple values were specified for `TYPE=mactype parameter`. The migration of the `tabtype` table supports only one value.

**System action:** The migration utility ignores the additional values. The migration continues.

**User response:** Review the migrated definition to ensure that the new single value is acceptable.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT

DFH5297 E  
**command IS NO LONGER SUPPORTED.**

**Explanation:** The CSD utility detected a command, `command`, in its input that is no longer supported by RDO.

**System action:** The utility does not process the command.

**User response:** Refer to the Upgrading Guide for details on how to proceed if you need to use the withdrawn command. It is possible that you can run with a back-level version of the CSD utility program that would support the command.

**Module:** DFHCSDUP  
**Destination:** SYSPRINT
DFH5501E  COMMAND NOT EXECUTED.  *keyword* MUST BE SPECIFIED

Explanation:  A *keyword* *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5502W  *xxxxxx* IMPLIES *yyyyyyy*

Explanation:  The value *xxxxxx* specified in a DEFINE command has caused another value *yyyyyyy*, which is not a normal default, to be assumed.

System action: Normal utility processing continues.
User response: Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.
If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5503E  COMMAND NOT EXECUTED.  *xxxxxx* OPTION CONFLICTS WITH *yyyyyyy* OPTION AND IS IGNORED.

Explanation:  Two options, *xxxxxx* and *yyyyyyy*, that are mutually exclusive have been specified.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5504E  COMMAND NOT EXECUTED. USE OF *xxxxxx* OPTION IMPLIES *yyyyyyy* OPTION

Explanation:  Option *xxxxxx* requires another value, *yyyyyyy*.

System action: The utility ignores the command.
User response: Specify *yyyyyyy*.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5505W  PROGRAM DFHMSP REQUIRES A TWASIZE OF AT LEAST 512

Explanation:  A DEFINE PROGRAM command for the message switching program, DFHMSP, has given it a TWASIZE of less than 512-bytes. If it is to be a definition for the CICS-supplied program of that name then it will not execute correctly.

System action: Normal utility processing continues.
User response: Check that the resulting resource definition is as you expect.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5506E  COMMAND NOT EXECUTED. FOR *xxxxxx* MANY OPTIONS, INCLUDING *yyyyyyy* ARE MEANINGLESS

Explanation:  A *keyword* or value has been specified that is not consistent with another.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5507E  COMMAND NOT EXECUTED.  *xxxxxx* VALUE MUST BE GREATER THAN *yyyyyyy* VALUE.

Explanation:  A value has been specified that is not consistent with another. *xxxxxx* must be greater than *yyyyyyy*.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5508E  COMMAND NOT EXECUTED.  *xxxxxx* VALUE MUST BE LESS THAN OR EQUAL TO *yyyyyyy* VALUE.

Explanation:  A value has been specified that is not consistent with another. The value *xxxxxx* must be less than or equal to *yyyyyyy*.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT
DFH5509E  COMMAND NOT EXECUTED.  xxxxxxx NAME MUST NOT BE THE SAME AS yyyyyyy NAME

Explanation:  Some values in DEFINE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.
System action:  The utility ignores the command.
User response:  Correct the command.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5510W  xxxxxxx NAMES BEGINNING WITH yyyyyyy ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation:  CICS supplies standard programs and transactions whose names you should usually avoid.
System action:  Normal utility processing continues.
User response:  Check that the resulting resource definition is as you expect.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5511W  xxxxxxx NAME yyyyyyy IS RESERVED AND MAY BE REDEFINED BY CICS

Explanation:  CICS supplies standard programs and transactions whose names you should usually avoid.
System action:  Normal utility processing continues.
User response:  Check that the resulting resource definition is as you expect.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5512W  PROGRAM NAME BEGINS WITH 'DFH' BUT TRANSACTION NAME DOES NOT BEGIN WITH 'C'

Explanation:  CICS supplies standard programs and transactions whose naming conventions you should avoid.
System action:  Normal utility processing continues.
User response:  Check that the resulting resource definition is as you expect.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5513E  COMMAND NOT EXECUTED.  THE SECOND VALUE OF xxxxxxx MUST NOT BE GREATER THAN THE FIRST.

Explanation:  Some keywords take pairs of values which are essentially maximum and minimum values.
System action:  The utility ignores the command.
User response:  Correct the command.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5514E  COMMAND NOT EXECUTED.  WITH SESSNAME THERE CAN ONLY BE ONE COUNT AND ITS VALUE MUST BE 1.

Explanation:  The use of SESSNAME in a DEFINE SESSIONS command means that a single-session, either for sending or receiving, is required.
System action:  The utility ignores the command.
User response:  Correct the command.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5515W  AUTOPAGE(NO) HAS BEEN SPECIFIED FOR A 3270 PRINT DEVICE

Explanation:  A DEFINE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).
System action:  Normal utility processing continues.
User response:  Check that the resulting resource definition is as you expect.
Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5516W  THE VALUES OF DEVICE AND SESSIONTYPE ARE EQUIVALENT TO DEVICE(devtype) AND HAVE BEEN REPLACED

Explanation:  A DEFINE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.
This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.
System action:  Normal utility processing continues.
User response:  Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.
Module: DFHCSDUP
Destination: SYSPRINT

**DFH5517E** COMMAND NOT EXECUTED. xxxxxxx PFX AND COUNT TOGETHER MAKE MORE THAN 4 CHARACTERS.

Explanation: In a SESSIONS definition the RECEIVEPFX and SENDPFX values are used as prefixes for the names of as many sessions as are specified in the respective counts. These names cannot be more than 4 characters long.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5518W** XTRANIDS xxxxxxx ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System action: Normal utility processing continues.

User response: Check that the resulting resource definition is as you expect.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5519E** COMMAND NOT EXECUTED. xxxxxxx VALUE CONTAINS AN INVALID y.

Explanation: All character values in DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System action: The utility ignores the command.

User response: Correct the command.

The CICS Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5520W** THE VALUE OF DEVICE IS EQUIVALENT TO xxxxxxx AND HAS BEEN REPLACED

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System action: Normal utility processing continues.

User response: Check that the resulting resource definition is as you expect.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5521E** COMMAND NOT EXECUTED. xxxxxxx VALUE yyyy yyyy IS INVALID.

Explanation: A value yyyy yyyy has been specified for keyword xxxxxxx which is not valid. It may for instance be non-numeric.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5522E** COMMAND NOT EXECUTED. LENGTH OF xxxxxxx VALUE IS MORE THAN ALLOWED.

Explanation: All character values in DEFINE commands are of limited length.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5523E** COMMAND NOT EXECUTED. FILE DFHCSD MUST BE DEFINED IN THE SIT AND NOT THE CSD.

Explanation: DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System action: The utility ignores the command.

User response: Correct the command. Define DFHCSD in the SIT.

Module: DFHCSDUP
Destination: SYSPRINT

**DFH5524W** BMS ROUTE FOR CONSOLE MAY CAUSE UNPREDICTABLE RESULTS IF MAPS OR TEXT(ACCUM) USED ON DEVICE.

Explanation: The routing of multiline maps or accumulated text to the console is not supported.

System action: Normal processing continues.

User response: Ensure that the unsupported console operations are disabled.

Module: DFHCSDUP
Destination: SYSPRINT
DFH5525W  DFH5533W

DFH5525W  xxxxxxxx VALUE IS NOT VALID, yyyyyyyyy HAS BEEN ASSUMED
Explanation: The value xxxxxxxx is not valid. The value yyyyyyyyy has been assumed.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5526E  xxxxxxxx MUST HAVE ROWS AND COLUMNS SPECIFIED
Explanation: xxxxxxxx must have rows and columns specified.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5527E  REMOTE OPTIONS ARE IGNORED FOR PROGRAMS STARTING WITH DFH.
Explanation: CICS supplies standard programs which are not allowed to have remote attributes.
System action: The command is ignored.
User response: Correct the command by deleting the remote attributes from the program definition.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5528E  COMMAND NOT EXECUTED. VALUE OF keyword IS OUT OF VALID RANGE.
Explanation: An invalid value has been supplied for the specified keyword.
System action: The utility ignores the command.
User response: Supply a valid keyword value and retry.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5529E  keyword OR keyword MUST BE SPECIFIED.
Explanation: Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.
System action: The utility ignores the command.

DFH5530W  XTRANIDS ENDING WITH string ARE RESERVED AND MAY BE REDEFINED BY CICS.
Explanation: CICS supplies programs and transactions whose names you should usually avoid.
System action: Normal utility processing continues.
User response: Check that the resulting resource definition is as you expect.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5531W  XTRANIDS BEGINNING WITH string ARE RESERVED AND MAY BE REDEFINED BY CICS.
Explanation: CICS supplies programs and transactions whose names you should usually avoid.
System action: Normal utility processing continues.
User response: Check that the resulting resource definition is as you expect.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5532E  COMMAND NOT EXECUTED. AN INVALID COMBINATION OF ROWS AND COLUMNS HAS BEEN SPECIFIED FOR ALTSCREEN.
Explanation: One of the specified values is zero and the other is non-zero. This is an invalid combination.
System action: The utility ignores the command.
User response: Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.
Module: DFHCSFUP
Destination: SYSPRINT

DFH5533W  SPECIFIED keyword1 VALUE IS LESS THAN keyword2 VALUE. THE DEFAULT VALUE HAS BEEN ASSUMED.
Explanation: A value has been specified for keyword1 that is incompatible with the value for keyword2.
System action: DFHCSFUP assumes the default value for keyword1 and processes the command.
DFH5534W • DFH5540W

User response: Ensure that the resulting resource definition is acceptable.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5534W WHEN YOU CHANGE THE VALUE OF DEVICE MANY OTHER VALUES MAY BE CHANGED FOR YOU.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System action: Normal utility processing continues.

User response: Check that the resulting resource definition is as you expect. See the CICS Resource Definition Guide for more guidance.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5535E COMMAND NOT EXECUTED. restype NAME resname IS RESERVED BY CICS.

Explanation: The user specified a resource name resname for resource type restype which is reserved for use by CICS.

System action: The utility ignores the command.

User response: Specify a different resource name.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5536W keyword1 AND keyword2 ATTRIBUTES ARE INCONSISTENT IF DEFINITION IS BEING SHARED WITH A BACK LEVEL RELEASE.

Explanation: keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating the definition, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System action: The definition is created or updated.

User response: If sharing the CSD file with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5537W PREFIX ALLOWED TO DEFAULT. USE OF DEFAULTS IS RECOMMENDED FOR MRO SESSIONS ONLY.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value ‘>’ is supplied by CICS for send sessions and ‘<’ for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use because duplicate names may occur if large numbers of sessions are defined.

System action: CICS will generate session names using these prefixes.

User response: If this is an LU6.1 session it is recommended that a different prefix should be chosen.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5538W resource NAMES STARTING WITH x MAY CONFLICT WITH SYSTEM SESSIONS NAMES.

Explanation: The resource resource has been given a name starting with the character x which might be used for system generated SESSIONS names.

System action: The definition is created or updated.

User response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5539S keyword IS NOT VALID BECAUSE IT STARTS WITH THE RESERVED CHARACTER OR STRING string.

Explanation: The name you have given to keyword keyword is not valid because the name begins with a reserved character or string such as “c” or “dfh”.

System action: The definition is not created.

User response: Change the name of the keyword.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5540W xxxxxxx VALUE IS GREATER THAN yyyyyyy VALUE. THE LOWER VALUE TAKES PRECEDENCE.

Explanation: A value has been specified that is not consistent with another. The value xxxxxxx is greater than value yyyyyyy. Value yyyyyyy takes precedence and overrides the higher value.

System action: The definition is created or updated.
with the two values as specified.

**User response:** Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5541E** PROGRAM OR REMOTESYSTEM MUST BE SPECIFIED.

**Explanation:** None of the indicated keywords has been specified. When defining a transaction, you must specify one of these keywords.

**System action:** The utility ignores the command.

**User response:** Supply one of the indicated keywords and retry.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5544E** COMMAND NOT EXECUTED. xxxxxxx MUST BE SPECIFIED AS yyyyyyy BECAUSE A PREVIOUS VALUE IS GENERIC.

**Explanation:** The options, xxxxxxx, must be specified as yyyyyyy because as previous option value was specified as generic.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5545W** PROGRAM SHOULD BE SPECIFIED WITH BREXIT.

**Explanation:** If the BREXIT option is specified, the PROGRAM option should also be specified. For compatibility with the Bridge transaction definitions in CTS 1.2, this is not mandatory, but if PROGRAM is not specified the transaction definition will not work.

**System action:** The transaction definition is accepted.

**User response:** Correct the command when migration from CTS 1.2 has been made.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5546E** COMMAND NOT EXECUTED. xxxxxxx IS NOT VALID AS A TYPE yyyyyyy PARAMETER.

**Explanation:** The options specified conflict. If TYPE EJB is specified, the respective ejb-type options must be specified. The ejb-type attributes are BEANNAME and INTFACETYPE. Likewise, for TYPE CORBA, the corba-type attributes must be specified. These are MODULE and INTERFACE. For TYPE GENERIC, either attributes may be specified but they should be generic.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5547E** COMMAND NOT EXECUTED. xxxxxxx VALUE yyyyyyy IS INVALID.

**Explanation:** A value yyyyyyy has been specified for keyword xxxxxxx which is not valid. It may for instance be non-numeric.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCSDUP

**Destination:** SYSPRINT

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**DFH5548E** date time applid COMMAND NOT EXECUTED. xxxxxxx OPTION IS INVALID FOR A BACK LEVEL REQUESTMODEL.

**Explanation:** The options specified conflict. If CORBASERVER name is blank and the respective previous level attributes (OMGMODULE, OMGOPERATION, and OMGINTERFACE) are specified, the use of BEANNAME, MODULE, INTERFACE and OPERATION is not allowed. It is not possible to give a back level requestmodel definition new attributes. The old requestmodel must be discarded and redefined with the new attributes if it is required to be used on this level of CICS.

**System action:** The utility ignores the command.

**User response:** Correct the command. If this requestmodel is being maintained for a back level CICS system, specify only the attributes OMGMODULE, OMGOPERATION, OMGINTERFACE and TRANSID. However, to use an old requestmodel on this level of CICS, it must be discarded and redefined with the new attributes.

**Module:** DFHCSDUP

**Destination:** SYSPRINT
DFH5549E  COMMAND NOT EXECUTED. XXXXXXX VALUE MUST NOT BE THE SAME AS YYYYYYYY VALUE.

Explanation: The values specified for the two attributes must not be the same.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5550E  keyword1 IMPLIES keyword2. THE DEFAULT VALUE HAS BEEN ASSUMED

Explanation: keyword1 has been specified with a value that is incompatible with the value for keyword2.
System action: DFHCSDUP changes keyword1 to set the default value and processes the command.
User response: Ensure that the resulting resource definition is acceptable.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5551E  COMMAND NOT EXECUTED. keyword1 CANNOT BE SPECIFIED AS GENERIC UNLESS keyword2 IS ALSO GENERIC.

Explanation: keyword1 has been specified with a generic name containing wildcard characters (asterisks or plus signs). But this is only permitted when keyword2 is also specified as a generic name.
System action: The utility ignores the command.
User response: If it is required that keyword1 must be generic, ensure that keyword2 is also specified with a generic name.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5552E  COMMAND NOT EXECUTED. CIPHER VALUE 'value' IS NOT IN THE VALID SET (list).

Explanation: The CIPHER attribute has been specified with an invalid value, value, which is not in the valid set of cipher values as indicated by list.
System action: The utility ignores the command.
User response: Ensure that you have defined a set of CIPHER values which are correct for this CICS address space.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5553E  COMMAND NOT EXECUTED. field CANNOT START WITH A 'char'.

Explanation: The named attribute field, field, starts with an invalid character, char. This is commonly caused by the field starting with an '*' which is not allowed.
System action: The utility ignores the command.
User response: Change the named attribute field to start with a permitted character.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5554W USE OF STATIC ATTRIBUTE field1 FORCES field2.

Explanation: The Server URIMAP attribute field, field1, is within the set that returns a static response. This has forced the setting of field2. This is commonly caused by specifying MEDIATYPE, CHARACTERSET, HOSTCODEPAGE, TEMPLATENAME or HFSFILE with ANALYZER(YES) when ANALYZER(NO) is required.
System action: The utility continues.
User response: None.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5555E  COMMAND NOT EXECUTED. THERE MUST BE AT LEAST ONE attribute SPECIFIED.

Explanation: At least one of the named attribute fields, attribute, must be specified for this resource.
System action: The utility ignores the command.
User response: Ensure that you have specified at least one of the required attributes.
Module: DFHCSDUP
Destination: SYSPRINT

DFH5556E  COMMAND NOT EXECUTED. resource NAMES BEGINNING WITH 'yyy' ARE RESERVED AND CANNOT BE USED.

Explanation: CICS supplies standard programs and transactions whose names you should avoid. For this type of resource, however, you must not use reserved CICS names.
System action: The utility ignores the command.
User response: Rename the resource definition to an appropriate name.
Module: DFHCSDUP
Destination: SYSPRINT
DFH5557E  COMMAND NOT EXECUTED.
'xxxxxx' IS A RESERVED NAME AND CANNOT BE USED AS A resource NAME.

Explanation: Certain names are reserved and not allowed to be used as resource names.

System action: The utility ignores the command.

User response: Rename the resource definition to an appropriate name.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5558W  A RANKING VALUE LESS THAN 10 FOR LIBRARY 'resource' MEANS IT WILL APPEAR BEFORE DFHRPL IN THE SEARCH ORDER.

Explanation: The ranking value of 10 is reserved for DFHRPL library. If you specify a ranking value less than 10 your LIBRARY resource will appear ahead of the DFHRPL in the library search order.

System action: The utility continues.

User response: Ensure that you definitely want this LIBRARY to appear before the DFHRPL in the library search order. Otherwise, define the LIBRARY resource with a RANKING value greater than 10.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5560E  COMMAND NOT EXECUTED.
Port_attribute CONFLICTS WITH PORT NUMBER FOUND IN HOST ATTRIBUTE.

Explanation: The HOST attribute contains a port number and a different, non-zero PORT attribute has also been specified on the definition of this client URIMAP.

System action: The utility ignores the command.

User response: Use PORT in preference to adding a port to HOST or ensure that they are the same value.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5600E  UNABLE TO GET STORAGE FOR MODULE DFHCICS. PRIMARY CSD HAS NOT BEEN INITIALIZED.

Explanation: There is insufficient storage to load module DFHCICS.

System action: Processing of the INITIALIZE command is terminated.

User response: Ensure that there is sufficient storage to load the DFHCICS module.

Module: DFHCSDUP
Destination: SYSPRINT

DFH5601E  UNABLE TO LOAD THE [FCT | RDT | LD] TABLE NAMED table.

Explanation: Table table cannot be loaded.

System action: The system action depends on the type of table.

Module: DFHCSDUP

DFH56nn messages

LD  DFHCSDUP cannot process the command. The utility attempts to
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT
The CSD utility cannot load the table, and terminates the processing of the utility command.

User response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Module: DFHCSDUP
DFH5602E • DFH5606S

Destination: SYSPRINT

DFH5602E UNABLE TO UNLOAD THE {FCT | RDT | LD} TABLE NAMED table.

Explanation: Table table cannot be unloaded.

System action: The system action depends on the type of table.

LD
DFHCSDUP cannot process the command. The utility attempts to
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT
The CSD utility cannot unload the table, and terminates the processing of the utility command.

User response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5604E UNABLE TO OBTAIN STORAGE FOR THE CROSS-REFERENCE TABLE NAMED table.

Explanation: DFHCSDUP was unable to obtain storage for table table.

System action: DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response: Increase the region size and retry the command.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5605E DISALLOWED CHARACTER IN GROUP OR LIST NAME object.

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User response: Use the CEDA transaction to define the resource with a valid name.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5606S COMMAND IS NOT EXECUTED. UNABLE TO LOAD THE SERVICE MODULE progname.

Explanation: The service module, progname, cannot be loaded due to insufficient storage.

System action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response: Retry the utility command with an increased region size.

Module: DFHCSDUP

Destination: SYSPRINT
DFH5607S  COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING THE FIRST SECONDARY CSD RECORD.

Explanation:  An I/O error has occurred on the secondary CSD file.

System action:  The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response:  Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5608S  COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING A SECONDARY CSD RECORD.

Explanation:  An I/O error has occurred on the secondary CSD file.

System action:  The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response:  Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5609S  COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE WRITING A PRIMARY CSD RECORD.

Explanation:  An I/O error has occurred on the primary CSD file.

System action:  The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response:  Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5611E  COMMAND NOT EXECUTED. parameter PARAMETER MUST BEGIN WITH 'DFH'.

Explanation:  In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System action:  The utility does not process the command.

User response:  Resubmit the MIGRATE command with a valid table name or group name.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5612I  resource object IN GROUP grpname IS UNCHANGED.

Explanation:  A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System action:  Normal utility processing continues.

User response:  None.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5613E  UNABLE TO LOCATE THE LIBRARY MEMBER member.

Explanation:  The member is not in the libraries named in the JCL.

System action:  The utility terminates processing of the command that required access to library member member.

User response:  Ensure that the member is correctly link-edited into the library and resubmit the job.

Module:  DFHCSDUP
Destination:  SYSPRINT

DFH5614E  UNABLE TO LOAD THE LIBRARY MEMBER member.

Explanation:  DFHCSDUP could not load library member member.

System action:  The utility terminates processing of the command that required access to the library member.

User response:  Ensure that the member is correctly link-edited into the library and resubmit the job.

Module:  DFHCSDUP
DFH5617S  DFH5623S

Destination:  SYSPRINT

DFH5617S  COMMAND IS TERMINATED. AN UNRECOGNIZED TYPE OF RECORD WAS ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation:  The record-type field of an input CSD record is invalid.

System action:  The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response:  Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Module:  DFHCSDUP

DFH5618I  AN ATTENTION INTERRUPT WAS REQUESTED DURING DFHCSDUP EXECUTION.

Explanation:  An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System action:  Normal utility processing continues. Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the CICS Customization Guide for more information about put-message exits.

User response:  None.

Module:  DFHCSDUP

DFH5619W  AN INVALID VALUE OF THE PAGESIZE PARAMETER HAS BEEN SPECIFIED. THE DEFAULT VALUE OF 60 LINES PER PAGE WILL BE USED.

Explanation:  A value of the PAGESIZE parameter outside the allowed range (4-9999) has been specified.

System action:  The default value of 60 lines per page is taken.

User response:  Ensure that a valid PAGESIZE value is specified in future.

Module:  DFHCSDUP

DFH5620E  AN ILLEGAL RETURN CODE (RC=ret-code) HAS BEEN RETURNED FROM THE (INITIALIZATION | GET-COMMAND | TERMINATION) EXIT.

Explanation:  The specified user-exit routine has returned a disallowed return code.

System action:  Processing of the utility command is terminated. The exit is not disabled.

User response:  Investigate the specified exit routine for the cause of the illegal return code.

Module:  DFHCSDUP

DFH5621E  A NON-ZERO RETURN CODE HAS BEEN RETURNED FROM THE PUT-MESSAGE EXIT.

Explanation:  The put-message exit routine has returned a disallowed return code.

System action:  Processing of the utility command is terminated and the put-message exit is disabled.

User response:  Investigate the put-message exit routine for the cause of the illegal return code.

Module:  DFHCSDUP

DFH5622S  THE SECONDARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation:  An Abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post ABEND clean up processing.

System action:  Processing of the utility command is terminated.

User response:  Refer to prior messages for further information regarding this problem.

Module:  DFHCSDUP

DFH5623S  THE PRIMARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation:  An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post ABEND clean up processing.
DFH5624S • DFH5634W

DFH5624S  THE EXTRACT EXIT PROGRAM HAS BEEN UNLOADED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-abend clean-up processing.

System action: The EXTRACT command is terminated.

User response: Refer to prior messages for further information regarding the problem.

Module: DFHCSDUP

Destination: SYSPRINT

DFH5625  THE USER PROGRAM HAS PASSED AN INVALID DDNAME PARAMETER FOR ddname TO DFHCSDUP.

Explanation: The user program has supplied an alternative ddname as a parameter for either DFHCSD, SYSIN or SYSPRINT. The alternative ddname is invalid because it begins with a blank.

System action: The default DDNAME is used instead.

User response: Correct the invalid DDNAME parameter.

Module: DFHCSDUP

Destination: Console

DFH5630W  NO IBM SUPPLIED DEFINITION FOUND FOR resourcetype resourcename.

Explanation: While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System action: The utility continues.

User response: None.

Module: DFHCSDUP

Destination: Console

DFH5631I resourcetype resourcename IN GROUP groupname1 MATCHES THE IBM SUPPLIED DEFINITION IN GROUP groupname2.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

System action: The utility continues.

User response: None.

Module: DFHCSDUP

Destination: Console

DFH5632I resourcetype resourcename IN GROUP groupname1 DOES NOT MATCH THE IBM SUPPLIED DEFINITION IN GROUP groupname2.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it does not match the IBM supplied definition in group groupname2.

System action: The utility continues.

User response: None.

Module: DFHCSDUP

Destination: Console

DFH5633I resourcetype resourcename FOUND IN GROUP groupname.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname. No IBM supplied definition was found to perform a compare against.

System action: The utility continues.

User response: None.

Module: DFHCSDUP

Destination: Console

DFH5634W resourcetype resourcename NOT FOUND IN USER GROUPS.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

System action: The utility continues.

User response: None.

Module: DFHCSDUP

Destination: Console
DFH7xxx (DFHExP) command-level translator diagnostic messages

Diagnostic messages may be issued by the command-level translator (DFHEAP for assembler language, DFHECP for COBOL, DFHEDP for C, and DFHEPP for PL/I) in the course of processing programs written in assembler language, COBOL, C, or PL/I.

Assembler-language messages are inserted as macro notes (MNOTES) in the translator output file and can be seen by either printing or assembling the translator output file.

COBOL, C, and PL/I messages are delivered to SYSPRINT.

The same diagnostics are issued by the command-level interpreter, by the master terminal transaction (CEMT), and by CEDA.

A diagnostic message can have three components: a message number, a severity code, and message text. Each message is of the form DFH7nnnI c line text where

- nnn is a number,
- I is the information message identifier,
- c is the severity code
- line is the line number of the error and
- text is the text of the message.

In assembler language, COBOL, C, and PL/I, diagnostic messages can be allocated a severity code. This severity code is represented by a letter that, if present, will appear in the message immediately following the message number and preceding the message text. There are five levels of severity. Those for assembler language, C and PL/I are different from those for COBOL. The meanings of the codes and the associated return codes for the languages are as follows:

<table>
<thead>
<tr>
<th>Assembler, C or PL/I</th>
<th>Return code</th>
<th>COBOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>U = Unrecoverable</td>
<td>16</td>
<td>D = Disaster</td>
</tr>
<tr>
<td>S = Severe</td>
<td>12</td>
<td>E = Error</td>
</tr>
<tr>
<td>E = Error</td>
<td>8</td>
<td>C = Conditional</td>
</tr>
<tr>
<td>W = Warning</td>
<td>4</td>
<td>W = Warning</td>
</tr>
<tr>
<td>I = Information</td>
<td>0</td>
<td>I = Information</td>
</tr>
</tbody>
</table>

The message text consists of the message itself, which may or may not include inserts. The inserts are positions within the message text where, in the actual message, specific information is given on the reasons for the diagnostic message. Not all the diagnostic messages, however, require inserts.

Messages issued by the command-level translator are usually self-explanatory, and DFH7000 is an example of this type of message.

DFH7000I LISTING FILE CANNOT BE OPENED

Explanation: The listing data set was not opened.

System action: The command-level translator is abnormally terminated. A dump is produced if a SYSABEND or SYSUDUMP DD statement has been provided.

User response: Ensure the JCL is correct, or determine what is causing the error and preventing opening.

Module: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

Destination: Console
**DFH7002IU** UNRECOVERABLE TRANSLATOR ERROR:
TRANSLATION TERMINATED.
CORRECTION OF SOURCE PROGRAM ERRORS MAY BYPASS THE PROBLEM.

**Explanation:** An error has occurred and the translator is unable to recover and resume normal processing.

**System action:** The translator terminates its processing in an orderly fashion, by issuing this error message and closing all files which have been successfully opened. All messages issued by the translator during this execution should have been directed to the SYSPRINT data set.

**User response:** This message may contain the inserted text - NOT ENOUGH MAIN STORAGE AVAILABLE

in which case the user should check that a REGION size of at least 2M (2048K) has been specified in the JCL EXEC statement for the translator job step.

**Module:** DFHEIM01
**Destination:** SYSPRINT

---

**DFH7003IU** UNABLE TO OPEN xxxxxxxx FILE.
TRANSLATION TERMINATED.

**Explanation:** The translator has detected an error after opening the INPUT, PUNCH or LISTING file.

Usually this means that either the record format or the record length of the file is not supported by the translator.

The INPUT file, defined in the Job Control stream by a SYSIN DD statement, may contain fixed or variable length records but the record length must not exceed 100.

The PUNCH file, defined in the Job Control stream by a SYSPUNCH DD statement, must contain fixed length records and the record length must not be greater than 80.

The LISTING file, defined in the Job Control stream by a SYSPRINT DD statement, can contain either fixed length or variable length records which must have a length in the range 121 through 256.

**System action:** The translator terminates processing.

**User response:** Check the record format and length of the file which caused the error. Recreate or change the file so that it meets the requirements of the translator.

**Module:** DFHEIM15
**Destination:** SYSPRINT

---

**DFH7004IW** THE EXCI OPTION HAS BEEN SPECIFIED BUT CONFLICTS WITH THE CICS OPTION, OR ANOTHER OPTION THAT IMPLIES THE CICS OPTION. THE CICS OPTION HAS BEEN IGNORED.

**Explanation:** The EXCI option of the translator has been specified, but it conflicts with another specified option such as the CICS option, or an option (for example, the SP option) which implies the CICS option.

The EXCI option implies that the program is to execute in a batch, non-CICS, environment, and therefore other options such as CICS and SP are in conflict.

**System action:** The translator ignores the CICS option. Any EXEC CICS LINK commands are interpreted as batch commands.

**User response:** If the program is intended to be a batch program, ensure that neither the CICS option, nor any other options which imply the CICS option, are specified to the translator.

If the program is intended to run as a CICS application, remove the EXCI option.

**Module:** DFHEIM08
**Destination:** SYSPRINT

---

**DFH7005IW** THE EXCI OPTION HAS BEEN SPECIFIED BUT CONFLICTS WITH THE DLI OPTION. THE DLI OPTION HAS BEEN IGNORED.

**Explanation:** Both the EXCI and DLI translator options have been specified, but these two options are mutually exclusive.

**System action:** The translator ignores the DLI option.

**User response:** If the program is intended to be a DLI program, remove the specification of the EXCI option. Otherwise remove the DLI option.

**Module:** DFHEIM08
**Destination:** SYSPRINT

---

**DFH7006IW** THE EXCI OPTION IS NOT SUPPORTED BY THE INTEGRATED TRANSLATOR.

**Explanation:** The EXCI translator option has been specified for the integrated translator. This is not supported.

**System action:** The translation and compilation proceeds, but the resulting program is not guaranteed to execute correctly.

**User response:** If the program is intended to be an EXCI program, use a separate translation step. Otherwise remove the EXCI option.
DFH7010IW  INVALID OPTION STRING:- 'INS#1' IGNORED.

Explanation: The options specified contain either an option which is not recognised by the translator, or an option which is not valid for the language in which your program is written.

For example, in a COBOL program, the following options specification -
   CBL XOPTS(CICS DCBS)
is invalid because DCBS does not represent a valid option. In this case DCBS should probably be DBCS which is a valid option.

Also for example, the following options specification -
   CBL XOPTS(CICS GRAPHIC)
is invalid because the GRAPHIC option, although recognised by the translator, is only valid for PLI programs.

System action: The translator ignores the invalid option and continues processing.

User response: Refer to the CICS Application Programming Guide for information about options specification, and amend your options specifications accordingly.

Module:  DFHEIM06 DFHEIM08
Destination: SYSPRINT

DFH7012IW  CONFLICTING OPTIONS SPECIFIED. xxxxxxx ASSUMED.

Explanation: An option which is specified with a value, or values, is specified more than once, or an option is specified in both its positive and negative form, or mutually exclusive options are specified.

For example, in a COBOL program, the following options specification -
   CBL XOPTS(CICS FLAG(I) NOVBREF QUOTE FLAG(S) VBREF APOST)
will generate three error messages.

FLAG(I) conflicts with FLAG(S), NOVBREF conflicts with VBREF, and QUOTE conflicts with APOST.

System action: The translator uses the last definition found for each option. In the above example therefore the options used are FLAG(S), VBREF and APOST. The translator then continues with its normal processing.

User response: Refer to the CICS Application Programming Guide for information about options specification, and amend your options specifications accordingly.

Module:  DFHEIM06 DFHEIM08
Destination: SYSPRINT

DFH7013IW  RIGHT PARENTHESIS ASSUMED AFTER 'INS#1'.

Explanation: An option which is specified with a value, or values, is not delimited with a right parenthesis.

For example, in a COBOL program, in the following options specification
   CBL XOPTS(CICS FLAG(I) NOVBREF QUOTE)
the value 'I' specified for the FLAG option should be followed by a right bracket.

System action: The translator assumes that a right bracket exists following the option specification and continues processing.

User response: Refer to the CICS Application Programming Guide for information about options specification, and amend your options specifications accordingly.

Module:  DFHEIM06 DFHEIM08
**DFH7014IW** • **DFH7021IW**

**Destination:** SYSPRINT

**Explanation:** Text has been placed on a *PROCESS statement following the semi-colon which signifies the end of the statement.

This error should only occur in a program written in PLI.

**System action:** The translator ignores the misplaced text and continues processing. However, the misplaced text is placed in the translated program, and this will probably cause errors to be detected by the compiler.

**User response:** User action depends on the purpose of the misplaced text. Refer either to the CICS Application Programming Guide or the relevant programming language manual.

**Module:** DFHEIM07

**Destination:** SYSPRINT

**Explanation:** An *ASM statement contains a continuation character in column 72. The next line in the program is ignored by the translator. This error should only occur in a program written in Assembler.

**System action:** The translator ignores the continuation line and continues processing. However both the *ASM statement and the continuation line are placed in the translated program.

**User response:** User action depends on the purpose of the continuation. Refer either to the CICS Application Programming Guide or the High Level Assembler Programmer's Guide.

**Module:** DFHEIM07

**Destination:** SYSPRINT

**Explanation:** The translator has read the last line of text from the input program, but has detected that the program ends with an unfinished literal constant.

**System action:** The translator copies all text unchanged from the start of the last literal constant to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response:** The cause of this error is almost certainly due to the programmer omitting to code the required delimiter at the end of a literal constant. Locate and code the missing delimiter, and then rerun the translator.

**Module:** DFHEIM01 DFHEIM15

**Destination:** SYSPRINT

**Explanation:** The translator has not located a correctly coded PROCEDURE or PROC statement at or near the beginning of a PLI program.

After checking for the existence of a *PROCESS statement at the start of the program, and allowing for the existence of one or more compiler directives such as %INCLUDE, the translator expects to locate a different NATLANG option.

**Module:** DFHEIM01 DFHEIM15

**Destination:** SYSPRINT
PROCEDURE or PROC statement. Various syntax checks are performed when the statement is located.

This message is issued if either the statement is not found, or a syntax error is found in the statement.

**System action:** The translator continues processing as normal, but it is probable that the following compile step would fail if allowed to execute.

When the main PROCEDURE statement cannot be located, the translator does not insert an EIB structure into the translated program, which would usually result in errors if the following compiler stage were executed.

**User response:** Ensure that a correctly coded PROCEDURE statement is coded near the beginning of the program. Only a "PROCESS statement (if required) and compiler directives should be coded before the first PROCEDURE statement.

**Module:** DFHEIM10

**Destination:** SYSPRINT

---

**DFH7022IE** SEMI-COLON INSERTED AT END OF INITIAL PROCEDURE STATEMENT.

**Explanation:** The main PROCEDURE statement in a PLI program is not followed by a semi-colon.

**System action:** The translator inserts a semi-colon to delimit the PROCEDURE statement in the translated program, and then processing continues normally.

**User response:** Insert a semi-colon following the PROCEDURE statement to prevent the warning message being issued in a subsequent translation.

**Module:** DFHEIM10

**Destination:** SYSPRINT

---

**DFH7023IE** END OF SOURCE TEXT ENCOUNTERED IN THE MIDDLE OF A COMMENT.

**Explanation:** The translator has read the last line of text from the input program, but has detected that the program ends with an unfinished comment.

**System action:** The translator copies all text unchanged from the start of pseudo text to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response:** Delimit the END PROGRAM statement with a period and rerun the translation step.

**Module:** DFHEIMSC

**Destination:** SYSPRINT

---

**DFH7024IE** END OF SOURCE TEXT ENCOUNTERED IN THE MIDDLE OF PSEUDO-TEXT.

**Explanation:** The translator has read the last line of text from a COBOL program, but has detected that the program ends in the middle of pseudo text.

**System action:** The translator copies all text unchanged from the start of pseudo text to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response:** Delimit the missing delimiter at the end of the pseudo text. Locate and code the missing delimiter, and then rerun the translator.

**Module:** DFHEIM10 DFHEIM15

**Destination:** SYSPRINT

---

**DFH7025IE** A PERIOD SHOULD IMMEDIATELY FOLLOW THE PROGRAM NAME 'xxxxxxxx'. THE END OF FILE WAS ENCOUNTERED BEFORE THIS PERIOD.

**Explanation:** In an END PROGRAM statement in a COBOL program, the program name is not followed by a period, and the end of the source text is detected before a period is found.

**System action:** The translator copies the END PROGRAM statement into the translated program but this would result in errors if the following compiler step were executed.

**User response:** Delimit the END PROGRAM statement with a period and rerun the translation step.

**Module:** DFHEIM01 DFHEIM15

**Destination:** SYSPRINT

---

**DFH7026IE** A PERIOD SHOULD IMMEDIATELY FOLLOW THE PROGRAM NAME 'xxxxxxxx'. INTERVENING TEXT HAS BEEN IGNORED.

**Explanation:** In an END PROGRAM statement in a COBOL program, the program name is not immediately followed by a period.

**System action:** The translator copies the END PROGRAM statement into the translated program but this would result in errors if the following compiler step were executed.

**User response:** Edit the END PROGRAM statement, removing the text between the program name and the period, and rerun the translation step.

**Module:** DFHEIMSC
DFH7027IW  DFH7033IE

**Explanation:** In a C or C++ program a non-numeric literal is being continued but the first significant character in area B of the continuation line is not a quotation symbol.

**System action:** The translator inserts a suitable quotation symbol into the required position in the translated program.

**User response:** Edit the program by inserting an appropriate quotation symbol in the literal continuation line.

**Module:** DFHEIM14
**Destination:** SYSPRINT

DFH7027IW  DFH7034IE

**Explanation:** In a COBOL program, a non-numeric literal is being continued but the first significant character in area B of the continuation line is not a quotation symbol.

**System action:** The translator inserts a suitable quotation symbol into the required position in the translated program.

**User response:** Edit the program by inserting an appropriate quotation symbol in the literal continuation line.

**Module:** DFHEIM14
**Destination:** SYSPRINT
literal is being continued but the previous line does not contain an incomplete non-numeric literal.

**System action:** The translator removes the continuation indicator from the translated program. However it is probable that a compilation error will occur.

**User response:** Edit the program by coding a correct literal continuation, or removing the incorrect text.

**Module:** DFHEIM14  
**Destination:** SYSPRINT

---

**DFH7034IE** CONTINUATION ASSUMED. A NON-NUMERIC LITERAL WAS BEING CONTINUED.

**Explanation:** In a COBOL program, a non-numeric literal is being continued but a continuation character has not been coded in the continuation line.

**System action:** The translator inserts a continuation indicator into the translated program.

**User response:** Edit the program by coding an appropriate continuation character.

**Module:** DFHEIM14  
**Destination:** SYSPRINT

---

**DFH7035IE** CONTINUATION AND TWO QUOTES ASSUMED. A NON-NUMERIC LITERAL WAS BEING CONTINUED.

**Explanation:** In a COBOL program, a non-numeric literal is being continued but the next line is not a valid continuation.

**System action:** The translator inserts a continuation indicator and two quotation marks into the translated program which provides a valid continuation of the literal and then immediately ends the literal. Although this action ensures that the literal is syntactically correct, it is possible that if any text follows the literal it will not be a valid COBOL statement.

**User response:** Edit the program by coding an appropriate continuation character and quotation marks, or by preventing the continuation.

**Module:** DFHEIM14  
**Destination:** SYSPRINT

---

**DFH7036IW** PROGRAM DOES NOT BEGIN WITH AN IDENTIFICATION DIVISION.

**Explanation:** A COBOL program does not contain an IDENTIFICATION DIVISION statement.

**System action:** This prevents the translator from inserting temporary variables and an EIB structure into the program’s DATA DIVISION. However EXEC CICS commands and builtin in functions such as DFHVALUE and DFHRESP will be processed as usual.

**User response:** If the code being translated is a copybook, the translation may in fact be successful and this warning message can be ignored.

However, if the code being translated constitutes a complete program, it will be necessary to edit the program inserting an appropriate IDENTIFICATION DIVISION statement.

**Module:** DFHEIM07 DFHEIM10  
**Destination:** SYSPRINT

---

**DFH7037IE** INVALID CHARACTER IN CONTINUATION COLUMN. CONTINUATION ASSUMED.

**Explanation:** In a COBOL program, a non-numeric literal is being continued but an invalid continuation character has been coded in the continuation line.

**System action:** The translator replaces the invalid continuation indicator with a valid continuation character in the translated program.

**User response:** Edit the program by coding an appropriate continuation character.

**Module:** DFHEIM14  
**Destination:** SYSPRINT

---

**DFH7038IW** xxxxxxxx SEQUENCE ERRORS IN SOURCE PROGRAM.

**Explanation:** In a COBOL program, the SEQ translator option has been specified and one or more statements are out of sequence.

**System action:** In the listing file, each out of sequence statement is prefixed with two asterisks. The message contains the count of out of sequence statements. Otherwise the translator processes the program in the usual way.

**User response:** The message can be prevented by editing the file so that statement numbers are in sequence, or by setting all sequence fields to blanks, or by specifying the translator option ‘NOSEQ’.

However no action is absolutely necessary, since this message is only a warning, and does not prevent a successful translation.

**Module:** DFHEIMEE  
**Destination:** SYSPRINT

---

**DFH7039IS** PROGRAM DOES NOT CONTAIN A PROCEDURE DIVISION.

**Explanation:** This message is issued when the translator finds an IDENTIFICATION DIVISION as the last or only COBOL statement in a program.
System action: The translation is terminated.

User response: It is necessary to edit the program inserting an appropriate PROCEDURE DIVISION and then rerun the translation step.

Module: DFHEIM10
Destination: SYSPRINT

DFH7041IW NO END CARD FOUND - COPYBOOK ASSUMED.

Explanation: An assembler program does not contain an END statement.

System action: The translator assumes that the program is in fact a copybook, and consequently does not insert invocations of the macros DFHEIRET, DFHEISTG and DFHEIEND at the end of the translated code.

User response: Possibly no action is required in response to this message, but the user should be aware that it is may be necessary to specify the options NOPROLOG and NOEPILOG when translating a copybook.

Module: DFHEIMSA
Destination: SYSPRINT

DFH7046IS 'EXIT' OR 'EXITALL' OR 'STOP' OR 'TASKSTART' OR 'SHUTDOWN' OR 'FORMATEDF' OR 'SPI' OR 'PURGEABLE' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: An EXEC CICS DISABLE PROGRAM command has been specified without at least one of the required options listed in this message.

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Reference for more information on the rules for coding EXEC CICS commands. Ensure that self-defining terms used as arguments, such as numeric literals used in the example above, are enclosed in parentheses.

It is likely that an error of this nature will produce additional error messages. Check if the same command has generated more than one error message, in which case one of the other messages may give a more specific indication of what is actually wrong.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7050IS xxxxxxxx FUNCTION NOT COMPLETELY SPECIFIED. xxxxxxxx MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: This CICS command requires a qualifier without which the translator is unable to determine the specific command.

For example, if the following were coded -

```
EXEC CICS ISSUE CONVID(MYCONV)
```

instead of -

```
EXEC CICS ISSUE CONVID(MYCONV)
```

this message would be generated.

System action: The command is rejected and not translated.

DFH7047IS 'INTO' OR 'SET' OR 'RTRANSID' OR 'RTERMICD' OR 'QUEUE' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: An EXEC CICS RETRIEVE command has been specified without at least one of the required options listed in this message.

System action: The command is rejected and not translated.
DFH7053IE • DFH7059IS

User response: The message contains a list of all the possible qualifiers which may be specified in this command.

Refer to the CICS Application Programming Reference for more information about the coding of the command. Edit the command ensuring that an appropriate qualifier is specified.

Module: DFHEIMAN
Destination: SYSPRINT

DFH7053IE OPTION 'xxxxxxxx' IS NOT VALID AND IS IGNORED.

Explanation: An EXEC CICS command specification contains text which does not represent a valid option.

System action: The text is rejected and subsequently ignored, but the translator continues to process the command otherwise in the normal way.

User response: Refer to the CICS Application Programming Reference for more information about the coding of the command. Edit the command ensuring that the incorrect text is removed or replaced with a valid option.

Module: DFHEIMKW DFHEIMS2
Destination: SYSPRINT

DFH7054IS 'xxxxxxxx' COMMAND IS NOT SUPPORTED AND IS NOT TRANSLATED.

Explanation: A C or C++ program contains a PUSH, POP, HANDLE or IGNORE command. None of these EXEC CICS commands are supported for these languages, with the exception of HANDLE ABEND with the PROGRAM option.

System action: The command is rejected and not translated.

User response: In C and C++ programs, the RESP, RESP2 and NOHANDLE options should be utilised to manage condition handling.

Refer to the CICS Application Programming Guide for information on dealing with exceptional conditions.

Module: DFHEIMS2
Destination: SYSPRINT

DFH7055IS 'xxxxxxxx' OPTION IS INCOMPLETE. COMMAND NOT TRANSLATED.

Explanation: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Guide for information on dealing with exceptional conditions.

Module: DFHEIMAN
Destination: SYSPRINT

DFH7059IS 'xxxxxxxx' COMMAND IS NOT VALID AND IS NOT TRANSLATED.

Explanation: An EXEC CICS command is not known to the translator.

System action: The command is rejected and not translated.

User response: This error may be caused by a simple
typographical error, or because a translator option has not been specified.

For example, if a program contains an EXEC DLI command, the DLI translator option must be specified, otherwise DLI commands are 'not known' to the translator.

**User response:** Establish why the command is not known, possibly with reference to the CICS Application Programming Reference and the CICS Application Programming Guide.

**Module:** DFHEIMAN

**Destination:** SYSPRINT

---

**DFH7060IE** INCORRECT SPECIFICATION FOR 
xxxxxxx VALUE :: 'xxxxxxx'. OPTION IGNORED.

**Explanation:** An argument consists of a self-defining term which is either not of the correct datatype for that option or is outside of the range of permitted values. For example, this message would result from the following commands:

```
EXEC CICS DELAY INTERVAL('TIME')
EXEC CICS START TRANSID(MYTRAN) TIME(250000)
```

**System action:** The option with the incorrect argument is rejected, but the translator continues processing the command.

**User response:** Establish why the argument is incorrect by reference to the CICS Application Programming Reference.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7063IE** IMPLEMENTATION RESTRICTION: 
MORE THAN xxxxxxx OPTIONS IN ONE COMMAND. xxxxxxx OPTION IGNORED.

**Explanation:** An EXEC CICS command contains too many options with arguments. The number of options with arguments allowed is, for most commands, kept within the allowed maximum by the command definition. However certain commands such as the HANDLE and IGNORE commands allow more options than the maximum allowed on each command instance.

**System action:** When the maximum number of options is reached, this number usually being 16, the remaining options specified are rejected. In other words the command together with the first 16 options specified is accepted.

**User response:** If the problem occurs on a HANDLE or IGNORE command, spread the options over two or more commands. However if a program is trying to deal with a large number of conditions, this may be accomplished more easily by using the RESP and NOHANDLE options.

**Module:** DFHEIMS2 DFHEIMS3

**Destination:** SYSPRINT

---

**DFH7065IS** USE OF xxxxxxx OPTION IMPLIES xxxxxxx OPTION MUST BE SPECIFIED.

**Explanation:** An option has been specified for a command which implies that some other option should also have been specified.

This message usually means that the RESP2 option has been specified but not the RESP option.

**System action:** The translator rejects the command.

**User response:** Edit the program and insert a specification of the required missing option (usually the RESP option). Then rerun the translation step.

**Module:** DFHEIMS2

**Destination:** SYSPRINT

---

In the following example -

```
STATUS = DFHVALUE(CONNECTED ;
```

the translator's assumption about the position of the missing bracket is correct, and in this case the builtin function is correctly processed.

**User response:** Establish the correct position of the missing bracket and edit the program accordingly.

**Module:** DFHEIM11 DFHEIM12

**Destination:** SYSPRINT

---

Chapter 4. DFH messages - DFH01 to DFHM 293
DFH7066II • DFH7077IE

DFH7066II BEFORE TRACING OF ANY SYSTEM CONTROL PROGRAM OCCURS THE MASTER SYSTEM TRACE FLAG MUST BE ON.

Explanation:

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Guide for information on dealing with exceptional conditions.

Module: DFHEIM?!

Destination: SYSPRINT

DFH7067IW 'xxxxxxxx' IS NOT VALID. 'xxxxxxxx' ASSUMED.

Explanation: A command or option has been mispelt in an EXEC CICS statement. The translator executes an algorithm which compares the mispelt verb or option with valid option spellings and, in most cases, manages to select the option intended by the user.

In some cases, the translator may select an unintended command or option. For example, in the mispelt command -

```
EXEC CICS SENT SYSTEM GMMTEXT('hello world')
```

SENT is assumed to be SEND, whereas the user clearly intended to code SET.

System action: The translator substitutes the mispelt command or option with an assumed command or option.

This will probably cause the translator to detect further errors, and issue additional messages.

User response: Edit the program and correct the spelling of the mispelt command or option. Then rerun the translation step.

Module: DFHEIMS2

Destination: SYSPRINT

DFH7074IS USE OF 'LENGTH' OPTION IMPLIES 'INTO' OR 'SET' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: An EXEC CICS RETRIEVE command has been specified with a LENGTH option but without either a SET or INTO option. The LENGTH option is not valid unless the SET or INTO option is also specified.

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Reference for more information about the usage of this command, and then edit the command by specifying either a SET or INTO option.

Module: DFHEIMS2

Destination: SYSPRINT

DFH7075IS USE OF 'SYSID' OPTION IMPLIES 'KEYLENGTH', 'RBA', 'XRBA' OR 'RRN' MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: When the SYSID option is specified in any of the file control commands, either RIDFLD and KEYLENGTH, or RBA, or XRBA, or RRN must also be specified. The local file control table cannot supply this information for remote files.

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Guide for more information about the usage of this command, and then edit the command by specifying one or more additional options.

Module: DFHEIMS2

Destination: SYSPRINT

DFH7076IS USE OF 'SYSID' OPTION IMPLIES 'LENGTH' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation: When the SYSID option is specified in a C or C++ program in a command which reads from or writes to a file, temporary storage queue or transient data queue, the LENGTH option must be specified when either the FROM or INTO options are specified.

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Guide, if necessary, for more information about the usage of this command, and then edit the program by specifying a LENGTH option.

Module: DFHEIMS2

Destination: SYSPRINT

DFH7077IE 'xxxxxxxx' IS NOT A VALID LANGUAGE DEFINITION TABLE.

Explanation: The translator has loaded a language definition table into storage, but the table does not appear to be valid. The translator checks the address held in a certain pointer in the table, and also checks an 'eyecatcher' value. If either of these contain unexpected values, the translator considers the table to be corrupted, and issues this message.

System action: The table is flagged as unusable by the translator, and it will not allow the use of any
commands or built-in functions defined in this table.

User response: Refer the problem to your installation's CICS systems programming personnel.

Module: DFHEIM06
Destination: SYSPRINT

---

DFH7078II  LITERAL BEGINNING xxxxxxxx CONTAINS A xxxxxxxx. A QUOTE MAY BE MISSING.

Explanation: A PLI program contains a literal which has a length exceeding 40 characters and a semicolon character has been found in the literal which may indicate that a quote symbol is missing and should have been coded before the semicolon.

System action: The translator cannot make any assumption about the extent of any literal because a literal may legitimately contain any characters including delimiters such as parentheses and semicolons. Therefore the translator continues to scan the program until a quote symbol is found.

User response: This is only an informational message and does not necessarily indicate that the program is incorrectly coded.

Module: DFHEIM11

---

DFH7080IW  CONTINUATION OF EXEC COMMAND IGNORED.

Explanation: In an Assembler program, an EXEC CICS command is being continued to the next line, but column 1 of the continuation line contains a non-blank character.

System action: The translator ignores the continuation indicator and assumes that the EXEC CICS command ends on this line. The following line is then assumed to be the start of another command or assembler statement.

User response: Either remove the continuation indicator, or ensure that the continuation line contains a blank character in column 1.

Module: DFHEIMAN
Destination: SYSPRINT

---

DFH7082IW  ARITHMETIC OPERAND NOT APPROPRIATE FOR OPERAND TO xxxxxxxx.

Explanation: In an EXEC CICS command, an option has been coded with too many arguments.

System action: The command is rejected and not translated.

User response: Refer to the CICS Application Programming Guide for information on dealing with exceptional conditions.

Module: DFHEIM12

---

DFH7085IW  %INCLUDE DFHEIBLK STATEMENT ENCOUNTERED. THIS HAS BEEN DELETED SINCE THE EIB FIELDS HAVE ALREADY BEEN GENERATED.

Explanation: A PLI program contains a %INCLUDE DFHEIBLK statement.

System action: The translator automatically generates an EIB structure in a PLI program. The %INCLUDE statement is ignored and not copied into the translated program.

User response: Remove the line containing the %INCLUDE statement.

Module: DFHEIM12
Destination: SYSPRINT

---

DFH7086IE  RIGHT PARENTHESIS ASSUMED AT END OF COMMAND.

Explanation: In an Assembler program, a right hand bracket has been omitted in an EXEC CICS command.

System action: The translator makes an assumption about the correct position of the missing right hand bracket. The assumed position is likely to be the wrong position however, which in turn is likely to produce incorrect results at runtime or possibly cause an assembly error.

User response: Establish the correct position of the missing bracket and edit the program accordingly.

Module: DFHEIM12
Destination: SYSPRINT

---

DFH7089IE  'LABEL' OPTION IS NOT SUPPORTED AND IS IGNORED.

Explanation: In a PLI, C or C++ program, a HANDLE ABEND command has been specified with a LABEL option.

System action: The command is rejected by the translator.

User response: HANDLE ABEND is only supported when the PROGRAM option is defined in PLI, C and C++ programs.

Module: DFHEIM12

---

DFH7200IE  TOO MANY ARGUMENTS FOR xxxxxxxx. EXCESS ARGUMENTS IGNORED.

Explanation: In an EXEC CICS command, an option has been coded with too many arguments.
Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).

The current meaning of this message for nearly all options which carry an argument is that more than one argument has been coded.

System action: The first argument is processed but the remaining argument(s) are ignored. Otherwise the command is processed in the normal way.

User response: Remove the excess arguments and repeat the translation step.

Module: DFHEIMKW

*DFH7201IS*  TOO FEW ARGUMENTS FOR 'xxxxxxxx'. COMMAND NOT TRANSLATED.

Explanation: In an EXEC CICS command, an option has been defined with too few arguments.

Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list), and that a minimum number of arguments must be specified. This message therefore should rarely, if ever, occur in the current implementations of CICS.

System action: The complete command is rejected.

User response: Insert the additional arguments required and repeat the translation step.

Module: DFHEIMKW

Destination: SYSPRINT

*DFH7204IS*  'xxxxxxxx' KEYWORD REQUIRES xxxxxxxx SUB-OPERAND(S). STATEMENT NOT TRANSLATED.

Explanation: In an EXEC CICS command, an option has been defined without any arguments, but requires at least one argument.

Currently most options which require an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).

System action: The complete command is rejected.

User response: Insert the additional argument(s) required and repeat the translation step.

Module: DFHEIMKW DFHEIMS2

Destination: SYSPRINT

*DFH7205IU*  INSUFFICIENT STORAGE FOR TRANSLATOR. REASON xxxxxxx.

Explanation: This message indicates that the translator has insufficient working storage with which to translate an EXEC CICS command.

System action: The command is rejected and not translated.

User response: The most likely reason for this error is that the REGION size specified in the JCL EXEC statement for this translation is too small. Ensure a REGION size of at least 2M is specified.

If this is not the reason for the error, refer the problem to your installation's CICS systems programming facility.

Module: DFHEIMAB DFHEIMG1 DFHEIMKW DFHEIMS2 DFHEIMG2

Destination: SYSPRINT

*DFH7206IE*  UNABLE TO APPLY DEFAULT FOR KEYWORD 'xxxxxxxx'.

Explanation: The translator is unable to supply a default argument in an EXEC CICS command. The message usually occurs when either the FROM option is omitted from a SEND MAP command or the INTO option is omitted from a RECEIVE MAP command.

When the argument of the MAP option is a literal, i.e. self-defining, argument, the translator is able to generate the required FROM or INTO argument from the MAP argument.

However when the MAP argument is a data reference, i.e. the name of a variable which contains the MAP name, the translator cannot default the FROM or INTO argument and issues this message.

System action: The option in error is ignored, but the translator continues to process the command.

User response: Edit the program inserting an appropriate specification of the FROM or INTO option.

Module: DFHEIMS2

Destination: SYSPRINT

*DFH7207IW*  'xxxxxxxx xxxxxxx' ENCOUNTERED BUT NO TRANSLATOR OPTION FOR PROCESSING COMMAND. COMMAND IGNORED.

Explanation: The translator has located a potential CICS command, but 'EXEC' or 'EXECUTE' is not followed either by 'CICS' or by some other text, such as 'DLI', which indicates that this is a CICS command.

The translator refers to words such as 'EXEC', 'CICS' and 'DLI' as 'triggers' since they cause the invocation of the translator's command processing routines.
When a trigger is not known to the translator, this message is issued.

System action: The command is ignored and not translated.

User response: Ensure that the required triggers have been coded in the command.

Module: DFHEIMTG
Destination: SYSPRINT

DFH7208IU IMPLEMENTATION RESTRICTION.
STATEMENT TOO LONG.

Explanation: The translator has encountered a program statement which has been continued over a large number of lines in the program. The translator attempts to read the whole statement into a buffer. This buffer is of a considerable size however, and a program statement would normally have to occupy more than 400 lines before this error occurred.

System action: The translator terminates processing after issuing this message.

User response: The error may have occurred due to a syntax error such as a missing quotation mark. Check any other messages which have been issued during this translation. Correcting other errors may also correct this error.

If the program statement is syntactically correct, it will be necessary to split the statement into two or more statements in order to avoid the buffer size restriction imposed by the translator. It is possible that the compiler for which every language is in use will also impose a similar restriction.

Module: DFHEIM14
Destination: SYSPRINT

DFH7209IE A BLANK IS ASSUMED BETWEEN 'xxxxxxxxx' AND 'xxxxxxx'.

Explanation: The translator has encountered an incorrect option in an EXEC CICS command, but has established that inserting a blank results in a correct option specification.

For example in the following incorrect command -
EXEC CICS SEND MAP(MYMAP) FROM(MYMAP) FREEKBERASE
the translator assumes a blank between 'FREEKB' and 'ERASE'.

System action: The translator continues to process the command after insertion of the blank. It is possible however there will still be errors in the command specification.

User response: Review the statement specification and insert the missing blank if this is the correct action.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7210IE MODULE 'xxxxxxxxx' NOT FOUND.
PLEASE CHECK LIBRARIES.

Explanation: The translator has attempted to load a component, such as a language definition table, but the component was not found in any of the libraries specified for use in this execution of the translator.

System action: The translator attempts to continue processing. If the missing component is a language definition table, none of the commands specified in that table can be used in this execution of the translator. It is probable therefore that the translation will be unsuccessful.

User response: Review the Job Control statements used for the translation. If you are using a procedure provided by your installation CICS systems programming facility, refer the problem to them.

If you have constructed your own job stream, ensure that a JOBLIB or STEPLIB statement references a library which contains the missing component specified in this message.

Module: DFHEIM15

DFH7213IE SUB-OPERAND 'xxxxxxxxx' OF 'xxxxxxx'
KEYWORD SHOULD BE A LITERAL.

Explanation: An argument must be coded as a literal and must be of an appropriate data type, depending on whether the option carries a character or arithmetic argument.

System action: In its current implementation, the translator should never issue this message since all arguments are allowed to be data references. There are no arguments which can only be literal, i.e. self-defining, terms.

User response: Refer the problem to your installation CICS systems programming facility.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7215IW SUB-OPERAND 'xxxxxxxxx' OF 'xxxxxxx'
KEYWORD SHOULD BE DATATYPE CHARACTER.

Explanation: An argument has been coded as a literal value, i.e. self-defining term, but the literal is either a numeric term or a length reference instead of the expected character constant.

For example the following incorrect statement would cause this message to be issued -
EXEC CICS SEND MAP(1234567)

System action: The argument is accepted even though...
DFH7216IW • DFH7220IE

this will result in errors occurring at either compile
time or run time.

**User response:** Code a literal of the required type, if
necessary with reference to the *CICS Application
Programming Reference*.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7216IW**

**SUB-OPERAND** 'xxxxxxxx' OF 'xxxxxxxx'
KEYWORD SHOULD BE DATATYPE ARITHMETIC.

**Explanation:** An argument has been coded as a literal value, i.e. self-defining term, but the literal is a character constant instead of the expected arithmetic term.

For example, the following incorrect command would cause this message to be issued:

```
EXEC CICS DELAY INTERVAL('TIME')
```

**System action:** The argument is accepted at this point in the processing. However, the argument will be subsequently rejected with message 7060.

**User response:** Code a literal of the required type, if necessary with reference to *CICS Application Programming Reference*.

In the example above, if 'TIME' is intended to be a data reference, i.e., a reference to a variable named 'TIME', then remove the enclosing quotes.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7217IS**

FIRST SUB-OPERAND OF 'xxxxxxxx'
CANNOT BE NULL. COMMAND NOT TRANSLATED.

**Explanation:** An argument has been coded as a null argument. With only a few exceptions, null arguments are not accepted as a valid argument.

For example, the following statement contains null arguments which would be rejected by the translator:

```
EXEC CICS SEND TEXT FROM( ) LENGTH()
```

**System action:** The complete command is rejected.

**User response:** Code an argument of the required type, if necessary with reference to *CICS Application Programming Reference*.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7218IS**

SUB-OPERAND(S) OF 'xxxxxxxx'
CANNOT BE NULL. COMMAND NOT TRANSLATED.

**Explanation:** In this EXEC CICS command, an option may be defined with a list of arguments, i.e. more than one sub-operand, but none of the items specified are allowed to be null arguments.

This message is issued when one or more arguments other than the first argument in the list are null arguments. Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).

Consequently, in the current implementation of CICS this message should rarely, if ever, be issued.

**System action:** The complete statement is rejected.

**User response:** Ensure that all arguments are non-null for the option given in the message text.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7219IE**

'xxxxxxxx' MUST BE PRECEDED BY:
'xxxxxxxx' IS ASSUMED.

**Explanation:** In the EXEC DLI command syntax, there are some options defined as 'second' options. This means that when a 'second' option is coded in an EXEC DLI statement, it must be preceded by an associated 'first' option. These second options are PCB, PARENT, UNIQUE, NEXT and CHECKPOINT.

**System action:** The translator assumes the existence of the required preceding option. For example if 'PCB' is found without a preceding 'USING', the 'USING' option is assumed.

**User response:** Ensure that the required 'first' option is coded preceding the 'second' option.

**Module:** DFHEIMKW

**Destination:** SYSPRINT

---

**DFH7220IE**

MULTIPLE OCCURRENCE OF 'xxxxxxxx' KEYWORD IS IGNORED.

**Explanation:** In an EXEC CICS command, an option which carries an argument has been specified more than once.

**System action:** The translator processes the first instance of the option specification and ignores all additional instances.

In the following example:

```
EXEC CICS SEND TEXT FROM(TEXT1) LENGTH(80) FROM(TEXT2)
```

the translator takes FROM(TEXT1) as the FROM specification and ignores FROM(TEXT2).
User response: Decide which instance of the option specification is required and delete all other instances.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7221IU IMPLEMENTATION RESTRICTION - TABLE TOO COMPLEX. xxxxxxxx.

Explanation: This message may be issued following message 7119, but should only occur when either an extremely large number of options have been specified on an EXEC DLI statement, or the REGION size specified for the execution of the translator is too small.

It is expected that this message would never be issued.

System action: The translator rejects the complete command.

User response: This problem might be caused by a syntax error such as a missing quotation mark. Check through other messages issued by the translator. Solving another error in the program might also resolve this problem. Ensure that an appropriate REGION size has been specified in your JCL procedure.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7222IE SUB-OPERAND LIST FOLLOWING 'xxxxxxxxx' KEYWORD SHOULD NOT BE PRESENT AND IS IGNORED.

Explanation: An argument has been coded with an argument in an EXEC CICS command, but the option does not carry an argument.

System action: The argument is ignored and the translator continues processing the statement.

For example, in the following statement -
EXEC CICS SEND TEXT FROM(MYTEXT) LENGTH(80) ERASE(SCREEN)

the argument 'SCREEN' following the ERASE option is ignored.

User response: Delete the incorrect argument specification.

Module: DFHEIMKW
Destination: SYSPRINT

DFH7225IW SUB-OPERAND 'xxxxxxxxx' OF 'xxxxxxxxx' KEYWORD IS TOO LONG AND IS TRUNCATED.

Explanation: A character literal has been coded as an argument in an EXEC command but the literal exceeds the length specified for the argument.

System action: The argument is truncated by removing characters from the rightmost end of the character string.

For example, in the following statement -
EXEC CICS SEND MAP('HUURSLEY')

since map names must be seven characters in length, the character string 'HUURSLEY' is truncated to 'HUURSLE'. The translator continues processing the statement using this truncated map name.

User response: It's probable that the truncated value is not the intended value, and will cause a runtime error.

Refer to the CICS Application Programming Guide to determine the correct length required for this argument. Then recode the literal with the correct length.

Module: DFHEIMKW DFHEIMS1
Destination: SYSPRINT

DFH7226IS SUB-OPERAND 'xxxxxxxxx' OF 'xxxxxxxxx' KEYWORD SHOULD BE A DATA REFERENCE NOT AN EXPRESSION OR A CONSTANT. COMMAND NOT TRANSLATED.

Explanation: An argument has been defined as a literal, i.e. a self-defining term, but a data reference type argument is required for this option.

System action: The command is rejected and not translated.

User response: An example of this error is -
EXEC CICS SEND MAP('MYMAP ') FROM('Hello')

where the FROM option must be a data reference.

The above command should be correctly coded as -
EXEC CICS SEND MAP('MYMAP ') FROM(MYMAP0)

Module: DFHEIMKW DFHEIMS1 DFHEIMS2
Destination: SYSPRINT

DFH7228IE SUB-OPERAND 'xxxxxxxxx' OF 'xxxxxxxxx' KEYWORD SHOULD BE AN IDENTIFIER.

Explanation: This error is only likely to occur in an EXEC DLI statement, when a field name is incorrectly coded in a WHERE statement.

The following example would cause this message to be issued -
WHERE(IGNORANCE = 'BLISS')

because the field name 'IGNORANCE' starts with a numeric character.

System action: The incorrect field name is accepted by the translator, although this will probably cause the
compilation of the translated program to fail.

User response: Edit the field name so that it begins with an alphabetic character, and rerun the translator step.

Module: DFHEIMSI
Destination: SYSPRINT

DFH7229IS  'xxxxxxxxx' REQUIRED BUT NOT SPECIFIED FOR xxxxxxxx. COMMAND NOT TRANSLATED.

Explanation: A mandatory option has been omitted from an EXEC CICS command, and the translator cannot make a default specification.

System action: The command is rejected and not translated.

User response: An example of this error is -

EXEC CICS SEND TEXT ERASE

where the FROM option is omitted but is mandatory.

The user must code an appropriate specification of the missing option, and then execute the translation step again.

Module: DFHEIMXK
Destination: SYSPRINT

DFH7230IE  'option1' CONFLICTS WITH 'option2' AND HAS BEEN IGNORED.

Explanation: Mutually exclusive options have been specified in an EXEC CICS command.

System action: The option which appears first in the EXEC CICS command is accepted and the other option is ignored. The translator then continues normal processing of the command.

User response: An example of this error is -

EXEC CICS SEND PAGE RELEASE RETAIN

Here the translator accepts the RELEASE option but ignores the RETAIN option. The user must decide which of the mutually exclusive options is required in the command and then remove the conflicting option specification.

Module: DFHEIMXK
Destination: SYSPRINT

DFH7232IS  'xxxxxxxxx' MUST SPECIFY A LENGTH FOR 'xxxxxxxxx'.

Explanation: A mandatory option which specifies a length has been omitted in an EXEC CICS command and the translator is unable to supply a default specification of the option.

System action: The CICS API contains many options which supply lengths. These options usually provide the length of a variable length character argument supplied with another option in that command.

For example, in the EXEC CICS WRITEQ TS command the LENGTH option specifies the length of the FROM argument.

The translator is usually aware of this association between options and is able to default the length specification. However when the associated argument is a data reference, the ability of the translator to default the length argument depends on the programming language of the user program.

When the language is C or C++, the translator issues this message and rejects the complete command. The 'C' languages provide the 'sizeof' function, but this cannot be used with all data types supported by those languages.

User response: The user must code an appropriate length specification in the EXEC CICS command, and then rerun the translation step.

Module: DFHEIMAB DFHEIMXS
Destination: SYSPRINT

DFH7233IE  'xxxxxxxxx' IS INVALID IN THIS POSITION. KEYWORD IGNORED.

Explanation: ???

System action: ???

User response: ???

Module: DFHEIMxx
Destination: SYSPRINT

DFH7235IE  MORE THAN xxxxxxxx OCCURRENCES OF xxxxxxxx. EXCESS IGNORED.

Explanation: The SEGMENT option has been coded more than 15 times in an EXEC DLI command.

System action: The excess instances of the SEGMENT option are rejected. The translator continues to process the command.

User response: This error might result from a missing quotation mark or some other syntactic error.

If the command is intended to contain more than 15 segments, the user should refer to the relevant IMS manuals for further information.

Module: DFHEIMGI
Destination: SYSPRINT
**DFH7237IS** INCORRECT SYNTAX AFTER 'xxxxxxxx xxxxxxxx'. COMMAND NOT TRANSLATED.

**Explanation:** Following triggers such as 'EXEC' and 'CICS', the translator has found text which is syntactically incorrect. The translator is expecting either another 'trigger', or a command specification.

**System action:** The complete command is rejected and not translated.

**User response:** This error might be a typographical error, as in this example

```plaintext
EXEC CICS INQUIRE PROGRAM('MYPROGGY')
```

where INQUIRE has been keyed with '1' instead of 'I'.

The translator expects to find an 'identifier' in this position. An identifier must begin with an alphabetic character, and the remaining characters must be either alphabetic or numeric. The text must not be coded as a literal, i.e. enclosed in quotation marks.

**Module:** DFHEIMAN
**Destination:** SYSPRINT

---

**DFH7250IS** 'xxxxxxxx' OPTION REQUIRED BUT NOT SPECIFIED.

**Explanation:** An EXEC CICS command contains an 'AT', 'AFTER', 'FOR' or 'UNTIL' option, but does not contain the required specification of any of the 'HOURS', 'MINUTES' or 'SECONDS' options.

**System action:** The command is rejected and not translated.

**User response:** Refer to the CICS Application Programming Guide for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS2
**Destination:** SYSPRINT

---

**DFH7251IE** THERE ARE MORE FIELDLENGTH OPERANDS THAN COMPARISON OPERATORS IN THE CORRESPONDING WHERE CLAUSE. EXCESS IGNORED.

**Explanation:** In an EXEC DLI command, a FIELDLENGTH option includes more expressions than the number of qualification statements in the preceding WHERE option.

The following statement would cause this error - EXEC DLI GU SEGMENT(PATIENT) WHERE(PATNO>PATNO1 AND NAME=PATN) FIELDLENGTH(3,4,8)

**System action:** The excess length or lengths are ignored.

The translator matches qualification statements and lengths reading from left to right. In the example above, the length of 8 cannot be matched and is ignored.

**User response:** Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS1
**Destination:** SYSPRINT
DFH7252IE • DFH7256IS

DFH7252IE MAXIMUM NUMBER OFBOOLEANS REACHED FOR 'xxxxxxxxx' BUT EXCESS TEXT ENCOUNTERED. 'xxxxxxxx' IGNORED.

**Explanation:** In an EXEC DLI command, a WHERE option contains too many Boolean (or logical) operators, such as 'AND' and 'OR'. The translator sets a limit of 11 Boolean operators in each WHERE option, which allows 12 qualification statements to be connected.

**System action:** The remaining text in the WHERE option is ignored.

**User response:** Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS1

**Destination:** SYSPRINT

DFH7253IE MISSING QUALIFICATION STATEMENT IN 'xxxxxxxx' OPERAND. OPERAND IGNORED.

**Explanation:** In an EXEC DLI command, a WHERE option ends with a Boolean operator.

Boolean operators must be followed by a qualification statement. The following example would cause this message to be issued -

```
WHERE(DOCTOR = 'SPOCK' OR DOCTOR = 'NO ' AND)
```

because 'AND' is not followed by a qualification statement.

**System action:** The Boolean operator at the end of the WHERE argument is ignored.

**User response:** The user should either remove the Boolean operator or code an appropriate qualification statement after the operator.

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS1

**Destination:** SYSPRINT

DFH7254IE MISSING COMPARISON OPERATOR IN 'xxxxxxxx' OPERAND. OPERAND IGNORED.

**Explanation:** In an EXEC DLI command, a WHERE option contains a qualification statement which has no comparison operator.

The following example would cause this message to be issued -

```
WHERE(DOCTOR 'SPOCK' OR DOCTOR = 'NO ' AND)
```

because there is no comparison operator between 'DOCTOR' and 'SPOCK'.

**System action:** The incorrect qualification statement and the Boolean operator which follows it are ignored. In the example above, the WHERE option would be reduced to -

```
WHERE(DOCTOR = 'NO ')
```

**User response:** The user should insert an appropriate comparison operator in the incorrect qualification statement.

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS1

**Destination:** SYSPRINT

DFH7255IE ARGUMENT TO 'xxxxxxxxx' KEYWORD CONTAINS NO COMPARISON OPERATORS. KEYWORD IGNORED.

**Explanation:** In an EXEC DLI statement, a WHERE option contains only a single operand and no other text.

The following example would cause this message to be issued -

```
WHERE(DOCTOR)
```

because the field name 'DOCTOR' is not followed by either a comparison operator or a value.

**System action:** The entire WHERE option is ignored.

**User response:** The user should either remove the WHERE operator or code an appropriate qualification statement after the operator.

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:** DFHEIMS1

**Destination:** SYSPRINT

DFH7256IS SPECIFICATION OF 'xxxxxxxxx' IS INCOMPLETE AND IS NOT TRANSLATED.

**Explanation:** A program statement references a translator builtin function such as DFHRESP or DFHVALUE, but the function reference is not followed by a left bracket.

**System action:** The builtin function specification cannot be translated.

**User response:** DFHRESP or DFHVALUE must be followed by, respectively, a condition name or a CVDA name, and this name must be enclosed in parentheses.

Refer to the CICS Application Programming Reference for a description of the usage of the translator builtin functions.

**Module:** DFHEIM11
Destination:  SYSPRINT

DFH7257IS  'xxxxxxxx' IS NOT RECOGNISED AND IS NOT TRANSLATED.

Explanation:  A program statement references a translator builtin function such as DFHRESP or DFHVALUE, but the function reference is not followed by a condition name or CVDA name which is known to the translator.

System action:  The builtin function specification cannot be translated.

User response:  Refer to the CICS Application Programming Reference for details of valid conditions and CVDAs.

If an EXEC CICS command might raise a condition, a list of the relevant conditions and their meanings in the context of this command is given in each command description.

If an EXEC CICS command contains options whose arguments can be expressed or interpreted using CVDAs, the command description specifies which CVDAs are valid for each option.

Module:  DFHEIM11

Destination:  SYSPRINT

DFH7258IS  'xxxxxxxx' IS NOT VALID AS AN ARGUMENT TO 'xxxxxxxx' AND IS NOT TRANSLATED.

Explanation:  A program statement references a translator builtin function such as DFHRESP or DFHVALUE, but the function reference is not followed by text in the form of an identifier. A valid identifier is a string of text in which the first character is alphabetic and the remaining characters are either alphabetic or numeric. The string must not be enclosed in quotes.

System action:  The builtin function specification cannot be translated.

User response:  This error would be caused by the following statement -

        IF MYRESP = DFHRESP('INVREQ') ....

because the argument of DFHRESP is coded as a literal, and also in the following statement -

        IF STATUS = DFHVALUE(228) ........

because the argument of DFHVALUE is an arithmetic value.

Refer to the CICS Application Programming Reference for details of how to make use of the DFHRESP and DFHVALUE builtin translator functions.

Module:  DFHEIM11

Destination:  SYSPRINT

DFH7259IS  OPERAND 'INS#1' OF KEYWORD 'INS#2' IS INVALID FOR COBOL. A DATA-AREA RATHER THAN A DATA-VALUE MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation:  In a COBOL program, an argument is coded as a data value but it must be coded as a data reference.

When arguments are coded as data values, i.e. literals or self-defining terms, in a COBOL program, such arguments are passed 'by content' in the 'Call' statement generated by the translator.

This error occurs when the data is of a type which cannot be passed 'by content', and is only likely to occur when the data type is pointer.

System action:  The EXEC CICS command is rejected and not translated.

User response:  This error would be caused by the following statement -

        EXEC CICS FREEMAIN DATAPointer(54560) END-EXEC.

where the argument of the DATAPointer option must be a data reference, i.e. a reference to a variable in the program, and not a data value. Its unlikely that this statement would succeed anyway, since addresses of GETMAINed storage cannot be known at compilation time.

Module:  DFHEIMAC

Destination:  SYSPRINT

DFH7260IS  ERROR WHEN PROCESSING DECLARATIVES SECTION. END OF FILE FOUND BEFORE END DECLARATIVES.

Explanation:  In a COBOL program, the translator has found a DECLARATIVES section but has not found a subsequent END-DECLARATIVES statement.

System action:  Any EXEC CICS commands which follow the DECLARATIVES statement are neither recognised nor translated.

User response:  An END-DECLARATIVES statement should be coded in an appropriate position in the program.

Note that there are restrictions on the use of declaratives when used in CICS applications written in COBOL. For details refer to the CICS Application Programming Guide

Module:  DFHEIM10

Destination:  SYSPRINT

Chapter 4. DFH messages - DFH01 to DFHM  303
**DFH7262IS • DFH7268IS**

**DFH7262IS**  
TRANSLATOR OPTION 'INS#1' REQUIRED BUT NOT SPECIFIED. COMMAND NOT TRANSLATED.

**Explanation:** An EXEC CICS command is recognised by the translator, but is not allowed unless a certain translator option is specified.

For example, the program contains an EXEC CICS INQUIRE command but the translator option 'SP' has not been specified.

**System action:** The EXEC CICS command is rejected and not translated.

**User response:** The user should specify the option given as part of the message. If necessary, refer to the CICS Application Programming Guide for information about how to specify translator options.

**Module:** DFHEIMSA DFHEIMSC DFHEIMSD DFHEIMSP  
**Destination:** SYSPRINT

**DFH7263IW**  
SHIFT-IN CODE ENCOUNTERED WHILE SCANNING SINGLE BYTE CHARACTERS. A SHIFT-OUT CODE MAY BE MISSING.

**Explanation:** The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is a PLI program and the GRAPHIC option is in effect.

A shift out character (with hexadecimal code X'0F') has been found in SBCS data.

**System action:** The incorrect data is copied into the translated program, and this would most probably cause a compiler warning or error.

**User response:** If the translated output is compiled, the user should carefully check all messages in the compiler listing.

However the safest action is to establish the reason for the unexpected shift in character, change the program in an appropriate way, and rerun the translation step.

**Module:** DFHEIM11  
**Destination:** SYSPRINT

**DFH7264IW**  
SHIFT-OUT CODE ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE MAY BE MISSING.

**Explanation:** The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is a PLI program and the GRAPHIC option is in effect.

A shift in character (with hexadecimal code X'0E') has been found in DBCS data.

**System action:** The incorrect data is copied into the translated program, and this would most probably cause a compiler warning or error.

**User response:** If the translated output is compiled, the user should carefully check all messages in the compiler listing.

However the safest action is to establish the reason for the unexpected shift in character, change the program in an appropriate way, and rerun the translation step.

**Module:** DFHEIM11  
**Destination:** SYSPRINT

**DFH7267IW**  
END OF FILE ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE MAY BE MISSING.

**Explanation:** The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect.

The translator has reached the end of the source program but is still in 'DBCS mode'.

**System action:** The incorrect data is copied into the translated program, and this would most probably cause a compiler warning or error.

**User response:** A DBCS data string has not been terminated with a shift out character (hexadecimal code X'0F').

Insert the missing shift out character, and rerun the translation step.

**Module:** DFHEIM01 DFHEIM15  
**Destination:** SYSPRINT

**DFH7268IS**  
RIGHT MARGIN ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE MAY BE MISSING.

**Explanation:** The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect.

When this message is issued, the translator is scanning a DBCS string and has reached the right hand margin of a line, but has not found a shift in character. Both compilers require shift in and shift out characters to be coded as 'matching pairs' on each program line where they are used.

**System action:** Because there are only one or two
characters between the last (or only) shift out character and the right margin, there is insufficient space for a DBCS string. The translator removes both the shift out character, and the one or two characters following the shift out, from the data copied into the translated program.

User response: Although the translated program is syntactically correct, the data string is probably incorrect for the application’s purposes. The user should examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Refer to the relevant Programming Language Reference manual for rules regarding the coding of DBCS strings.

Module: DFHEIM14
Destination: SYSPRINT

DFH7269IS  RIGHT MARGIN ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE IS ASSUMED.

Explanation: The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect.

When this message is issued, the translator is scanning a DBCS string and has reached the right hand margin of a line, but has not found a shift in character. The compilers require each DBCS string to be contained on a single line within the program.

System action: For programs written in COBOL and PLI, the translator substitutes either the last or the penultimate character in the line with a shift in character, ensuring that an even number of characters are positioned between the shift out and shift in.

In the following examples, ‘<’ represents shift out, ‘>’ represents shift in and ‘.’ represents x’42’. If a line ends with the following data characters -

    <.A.B.C.D>

the translator converts the string to -

    <.A.B.C> D

If a line ends with following data characters -

    <.E.F.G.

the translator converts the string to -

    <.E.F.G>

For programs written in the C languages, the translator assumes the existence of a shift in character at the right margin, but copies the incorrect data string into the translated program.

User response: Although the translated program may be syntactically correct, the data string is probably incorrect for the application’s purposes. The user should examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Module: DFHEIM11 DFHEIM14
Destination: SYSPRINT

DFH7270IS  FOLLOWING A SHIFT-OUT CODE AN ODD NUMBER OF BYTES WERE ENCOUNTERED BEFORE A SHIFT-IN CODE. THE SHIFT-IN CODE HAS BEEN MOVED.

Explanation: The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect.

When this message is issued, the translator is scanning a DBCS string and has found an odd number of characters between the shift out and shift in characters delimiting this string.

System action: The translator moves the shift in character so that it trades places with the character immediately preceding the shift in character.

In the following example, ‘<’ represents shift out, ‘>’ represents shift in and ‘.’ represents x’42’.

If a line contains the following DBCS string -

    <.A.B.C.>

the translator converts the string to -

    <.A.B.C>

in the translated program.

User response: Although the DBCS string is now syntactically correct, the data string is probably incorrect for the application’s purposes. The SBCS data following the DBCS data may also be incorrect because of the translator’s action. The user should examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Module: DFHEIM14
Destination: SYSPRINT

DFH7271IE  THE DATA FOLLOWING ’xxxxxxxx’ IS NOT CONSIDERED TO BE PART OF THE FIELD NAME AND IS IGNORED. PERHAPS THE FIELD NAME SHOULD BE ENCLOSED IN QUOTES.

Explanation: In an EXEC DLI statement, a field name
DFH7272IE  •  DFH7275IS

in a WHERE clause has been mispelt or is followed by incorrect data.

The following example would cause this message to be issued -

WHERE(DOCTOR = 'SPOCK')

where the user has coded '%' instead of an alphameric character.

System action: The translator discards the incorrect text and continues processing the command.

User response: The user should edit the source program to change or remove the incorrect data in or following the field name.

Module: DFHEIMS1
Destination: SYSPRINT

DFH7274IW  AN INVALID DBCS CHARACTER HAS BEEN FOUND - IT IS ACCEPTED.

Explanation: The translator is validating DBCS data in a C or C++ program. When this message is issued, the translator is scanning a DBCS string and has found an invalid DBCS character.

A valid DBCS character must either contain the value X'4040', or each byte must contain a value in the range X'41' thru X'FE' inclusive.

System action: The translator moves the data unchanged into the translated program.

User response: The user should examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Module: DFHEIM11
Destination: SYSPRINT

DFH7275IS  THE FIGURATIVE CONSTANT VALUE constant IS NOT COMPATIBLE WITH THE DATA TYPE 'PACKED INTEGER' WHICH IS REQUIRED FOR THE ARGUMENT OF KEYWORD keyword.

Explanation: In a COBOL program, a figurative constant has been coded as the argument for an option which takes a binary data value.

However the translator only accepts the ZERO figurative constant (or the ZEROS and ZEROES equivalents) for binary arguments.

System action: The translator rejects the command.

User response: The user should replace the figurative constant with an argument of the correct data type.

Module: DFHEIMAC
Destination: SYSPRINT
DFH7276IS THE FIGURATIVE CONSTANT VALUE
constant IS NOT COMPATIBLE WITH
THE DATA TYPE 'BINARY INTEGER'
WHICH IS REQUIRED FOR THE
ARGUMENT OF KEYWORD keyword.

Explanation:  In a COBOL program, a figurative
constant has been coded as the argument for an option
which takes a packed decimal data value.
However the translator only accepts the ZERO
figurative constant (or the ZEROS and ZEROES
equivalents) for packed decimal arguments.

System action:  The translator rejects the command.
User response:  The user should replace the figurative
constant with an argument of the correct data type.
Module:  DFHEIMAC
Destination:  SYSPRINT

DFH777IS EXEC COMMAND IS LOCATED IN A
CLASS-ID PROCEDURE DIVISION.
THE COMMAND IS NOT TRANSLATED.

Explanation:  In a COBOL program, an EXEC CICS
command has been placed in the PROCEDURE DIVISION of a class.
The COBOL compiler does not allow executable code in
a class. In an object-oriented COBOL program, EXEC
CICS commands must be placed in the PROCEDURE DIVISION of a method.

System action:  The translator rejects the command.
User response:  The user should replace the EXEC
command in Area B.
Module:  DFHEIMSC
Destination:  SYSPRINT

DFHACnnnn messages

DFHAC2001 date time applid Transaction 'tranid' is not recognized. Check that the transaction
name is correct.

Explanation:  Either transaction tranid does not exist as
an installed transaction definition, or it is disabled, or it
contains invalid characters.
Note that destination CSMT is used for non-terminal
transactions only.

System action:  Processing continues.
User response:  Enter a valid transaction identifier.
Module:  DFHACP
XMEOUT Parameters:  date, time,applid, tranid
Destination:  CSMT and Terminal End User

DFHAC2002 date time applid To use this transaction
tranid you must sign on or have the
right security level.

Explanation:  You are signed on using the default
userid but this userid does not have access to the
requested transaction.

System action:  CICS does not initialize the invoked transaction. Other processing continues and message
DFHAC2003 is sent to destination CSMT.
User response:  Sign on with an authorized userid.
Module:  DFHACP
Destination:  Terminal End User

DFHAC2003 date time applid Security violation has
been detected term id = termid, trans id
= tranid, userid = userid.

Explanation:  The operator with user ID userid has
invoked a transaction tranid at terminal termid for
which the operator is not authorized.

System action:  CICS does not initialize the invoked transaction. Either message DFHAC2002 or
DFHAC2033 is sent to the terminal operator. Other CICS processing continues.
User response:  Refer to the userid in the preceding
message, DFHXS1111 on the CSCS log, to determine the identity of the person trying to invoke transaction tranid and the reason for the attempt.

Module: DFHACP

**XMEOUT Parameters:** date, time, applid, termid, tranid, userid

**Destination:** CSMT

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<tr>
<th>DFHAC2004</th>
<th>XMEOUT Parameters: date, time, applid, tranid, userid</th>
<th>Destination: CSMT</th>
</tr>
</thead>
</table>

**DFHAC2004  time applid Transaction tranid has failed with abend AKCC. Resource backout was successful.**

**Explanation:** Transaction tranid is abnormally terminated with abend AKCC.

**System action:** The transaction (task) is purged.

**User response:** Resubmit the transaction.

Module: DFHTFP

**Destination:** Terminal End User

---

<table>
<thead>
<tr>
<th>DFHAC2005</th>
<th>XMEOUT Parameters: date, time, applid, tranid, program name, primary abcode, termid</th>
<th>Destination: CSMT</th>
</tr>
</thead>
</table>

**DFHAC2005  time applid Transaction tranid has failed with abend abcode.**

**Explanation:** Transaction tranid has been defined with INDOUBT(WAIT) or INDOUBT(COMMIT) and has been in communication with a partner APPC system. A session failure has occurred while the session was INDOUBT during an explicit or implicit syncpoint. An immediate resync was attempted but could not be completed.

**System action:** The task is abnormally terminated with a transaction dump. Unless overridden, APPC resynchronization is retried when the remote system is available.

**User response:** For more information, see the abend code abcode. If necessary, resubmit the transaction after the cause of the abend has been removed.

Module: DFHACP

**Destination:** Terminal End User

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<table>
<thead>
<tr>
<th>DFHAC2006</th>
<th>XMEOUT Parameters: date, time, applid, tranid</th>
<th>Destination: CSMT and Terminal End User</th>
</tr>
</thead>
</table>

**DFHAC2006  date time applid Transaction tranid has failed with abend abcode at termid.**

**Explanation:** The system was unable to execute transaction tranid. termid identifies the terminal which initiated transaction tranid. If there is no associated terminal, termid appears as “???” Program programe is the highest level program and is taken from the installed program definition. abcode is the CICS abend code.

**System action:** The task is abnormally terminated with a dump.

**User response:** Refer to abend code abcode for further information and guidance on how to solve the problem.

Module: DFHACP

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<table>
<thead>
<tr>
<th>DFHAC2007</th>
<th>XMEOUT Parameters: date, time, applid, tranid</th>
<th>Destination: CSMT</th>
</tr>
</thead>
</table>

**DFHAC2007  date time applid Transaction tranid cannot run as CICS shutdown is in progress.**

**Explanation:** Transaction tranid cannot be run during system quiesce.

**System action:** The system is in quiesce mode.

**User response:** Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).

Module: DFHACP

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<table>
<thead>
<tr>
<th>DFHAC2008</th>
<th>XMEOUT Parameters: date, time, applid, tranid</th>
<th>Destination: CSMT and Terminal End User</th>
</tr>
</thead>
</table>

**DFHAC2008  date time applid Transaction tranid has been disabled and cannot be used.**

**Explanation:** Terminal tranid has been disabled.

**System action:** Other processing continues.

**User response:** Notify the programmer responsible for this area that transaction tranid has been disabled.

Module: DFHACP

---

<table>
<thead>
<tr>
<th>DFHAC2009</th>
<th>XMEOUT Parameters: date, time, applid, tranid</th>
<th>Destination: CSMT and Terminal End User</th>
</tr>
</thead>
</table>

**DFHAC2009  date time applid Invalid non-terminal transaction tranid.**

**Explanation:** Transaction tranid has been entered. No terminal is associated with this transaction. It may be that transaction tranid is a disabled transaction, or is one that cannot be run during system quiesce. Alternatively, an invalid transaction identifier may have been entered.

**System action:** Other processing continues.

**User response:** Determine and correct the reason for transaction tranid’s invalidity.

Module: DFHACP
DFHAC2010  DFHAC2016

XMEOUT Parameters: date, time, applid, tranid
Destination: CSMT

DFHAC2010 time applid Transaction tranid is not executable on terminal termid.

Explanation: A conflict has been detected between the options specified for transaction tranid's definition and those specified on terminal termid's DFHTCT table entry. For example, transaction tranid is reserved for the use of VTAM terminals but the input came from a non-z/OS Communications Server terminal.

System action: The input is ignored.

User response: If transaction tranid is to be entered from terminal termid, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Module: DFHACP

DFHAC2012 date time applid Remote transaction tranid cannot be run on the local system.

Explanation: Transaction tranid is specified as remote. An attempt to route the transaction to a remote system failed either because there is no MRO/ISC defined in the running CICS system, or because the remote system name specified in the definition of the transaction is the same as that of the local system.

Note that destination CSMT is used for nonterminal transactions only.

System action: The task is abnormally terminated.

User response: Ensure that
• MRO/ISC support is correctly defined
• The remote transaction definition is correct.

Module: DFHACP

DFHAC2014 date time applid Transaction tranid is not executable because system sysid is not available.

Explanation: Transaction tranid is specified as remote. An attempt to route the transaction to a remote system failed because the link is out of service.

This message is also issued if the connection definition for the remote system has QUEUELIMIT and MAXQTIME specified and a queued allocate has been rejected.

Note that destination CSMT is used for non-terminal transactions only.

System action: CICS continues.

User response: Wait until the link is available.

If QUEUELIMIT and MAXQTIME are specified and this message occurs frequently then see the Intersystem Session Queue Management section in the Intercommunication Guide.

Module: DFHACP

DFHAC2015 date time applid Console consname has not been defined to CICS. Input is ignored.

Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and autoinstall for consoles is not enabled.

System action: The MODIFY command from the console is ignored.

User response: Notify the system programmer, who should use RDO to DEFINE and INSTALL a console definition that matches the name of the console, or enable autoinstall for consoles. The system programmer may also consider using 'pooled' consoles by defining TERMINAL definitions with a CONSNAME of DFHCONxx, or increasing the number of pooled consoles.

Module: DFHACP, DFHZATA2

DFHAC2016 date time applid Transaction tranid cannot run because program programname is not available.

Explanation: Transaction tranid is not executable because the initial program for transaction tranid is not available. Possible reasons for this are
1. The program is missing.
2. The installed program definition is missing.
3. The program is disabled.
4. The program name in the installed transaction definition is invalid.
5. The installed transaction has been defined as remote and therefore has no program name, but the name of the remote system is the same as that of the local system.
6. The program requires a JVM to run but JVM initialization failed.
7. The autoinstall program abended while attempting to load the program.
8. The Language Environment options specified in DFHJVMRO are too long.
9. The program requires a JVM Server to run but the JVM Server is not available.
Note that destination CSMT is used for non-terminal transactions only.

System action: Other processing continues.

User response: Determine the cause of the error using the list given in the Explanation. The response depends on the reason as follows
1. Load the program into the CICS program library.
2. Create an installed program definition for the program.
3. Enable the program.
4. Use a valid program name in the installed transaction definition.
5. Carry out whichever of the following is appropriate
   • Use a local version of this transaction.
   • Use the correct remote version of this transaction.
   • Logon to the correct system and retry the transaction.
6. For JVM programs check the CSMT log for further information as to why JVM initialization failed.
7. Check the job output for further information as to why the autoinstall program abended.
8. Remove any unnecessary options and abbreviate any Language Environment option keywords, where possible, in your source for DFHJVMRO.

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid, programname

Destination: CSMT and Terminal End User

Note that destination CSMT is used for non-terminal transactions only.

System action: CICS rejects the attach request.

User response: Inspect the received PIP data and its associated generalized data stream (GDS) header to determine why the parameters are invalid.

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid

Destination: CSMT and Terminal End User

Explanation: Transaction tranid received an attach request that required the use of the generalized data stream (GDS) to access unmapped conversations, but transaction tranid does not support the use of the GDS interface.

System action: CICS rejects the attach request.

User response: Inspect the subsystem that sent the attach header to see if the correct transaction was requested. If the request was correct, check the CICS transaction definition.

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid

Destination: CSMT and Terminal End User

Explanation: The conversation type requested by node netname was not recognized.

System action: The attach request is rejected.

User response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid

Destination: Terminal End User

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.
System action: The attach request is rejected.

User response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module: DFHACP

Destination: Terminal End User

DFHAC2022 date applid Transaction tranid has initiated an incorrect sync point level request.

Explanation: The requested Synclevel does not match the synclevel negotiated in the Bind request, or Synclevel 2 was requested, but Lognames were not exchanged.

Note that destination CSMT is used for non-terminal transactions only.

System action: The attach request is rejected.

User response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine that the correct transaction was requested. If it was, the CICS transaction definition should be checked.

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid

Destination: CSMT

DFHAC2023 time applid An invalid Unit of Work Identification (UOWID) has been supplied by node netname.

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System action: The attach request is rejected.

User response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Module: DFHACP

Destination: Terminal End User

DFHAC2024 date applid A request from node netname has invalid security parameters.

Explanation: The received attach header did not match the required security parameters specified in the bind.

Note that destination CSMT is used for non-terminal transactions only.

System action: The attach request is rejected.

User response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

Module: DFHACP

Destination: Terminal End User

DFHAC2025 time applid An invalid Unit of Work Identification (UOWID) has been supplied by node netname.

Explanation: The length field in the attach header was invalid.

System action: The attach request is rejected.

User response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module: DFHACP

Destination: Terminal End User

DFHAC2026 time applid An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation: CICS will not accept LU type 6.2 attach headers with restart requested.

Note that destination CSMT is used for non-terminal transactions only.

System action: The attach request is rejected.

User response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

Module: DFHACP

Destination: Terminal End User

DFHAC2027 date applid Transaction tranid does not support conversation restart.

Explanation: CICS will not accept LU type 6.2 attach headers with restart requested.
DFHAC2028 • DFHAC2033

Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid
Destination: CSMT and Terminal End User

DFHAC2028  date time applid Transaction tranid cannot be used and has been ignored.
Explanation: The transaction code CSAC or CESC, was entered from a terminal. This is not allowed.
System action: If the transaction is CSAC, the transaction is run with no effect. If the transaction is CESC, the transaction is abnormally terminated with abend code ATOA.
User response: Ensure that these transactions are not entered from a terminal.

Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid
Destination: CSMT and Terminal End User

DFHAC2029  date time applid Transaction tranid is not executable. The system specified by the dynamic routing program is unavailable.
Explanation: Transaction tranid is specified as remote AND dynamic. An attempt to dynamically route transaction tranid to the remote system specified by the dynamic routing program has failed because the link is out of service.
This message is also issued if the connection definition for the remote system specified by the dynamic routing program has QUEUELIMIT and MAXQTIME specified and a queued allocate has been rejected.
Note that destination CSMT is used for non-terminal transactions only.
System action: CICS continues.
User response: Wait until the link becomes available, then try to dynamically route the transaction again.
If QUEUELIMIT and MAXQTIME are specified and this message occurs frequently then see the Intersystem Session Queue Management section in the CICS Intercommunication Guide.

Module: DFHACP
XMEOUT Parameters: date, time, applid, console
Destination: CSMT and Terminal End User

DFHAC2030  date time applid All sessions are busy. Please try again.
Explanation: Transaction tranid is specified as remote AND dynamic. An attempt to dynamically route transaction tranid to the remote system specified by the dynamic routing program has failed because no sessions are immediately available.

Module: DFHACP
XMEOUT Parameters: date, time, applid
Destination: CSMT and Terminal End User

DFHAC2031  date time applid Automatic signon of operator of console consname has failed.
Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, and the console was defined with USERID(*FIRST) or USERID(*EVERY). When CICS tried to signon the operator automatically, the signon was rejected.
System action: The MODIFY command from the console is ignored.
User response: Contact the system programmer to give the userid in use at the console (which is identified in other messages on the log), the correct access to this console using RACF (or an equivalent External Security manager).

Module: DFHACP, DFHZATA2
XMEOUT Parameters: date, time, applid, consname
Destination: CSML

DFHAC2032  date time applid CICS autoinstall for console consname has failed.
Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed.
System action: The MODIFY command from the console is ignored.
User response: Notify the system programmer, who should investigate the failure by looking for abends and messages on the log of the CICS system.

Module: DFHACP, DFHZATA2
XMEOUT Parameters: date, time, applid, consname
Destination: CSML

DFHAC2033  time applid You are not authorized to use transaction tranid. Check that the transaction name is correct.
Explanation: Either an operator has attempted to execute transaction tranid while not authorized, or another transaction attempted to start transaction
tranid, which was not authorized for this terminal.

**System action:** Other processing continues. Message DFHAC2003 is sent to CSMT.

**User response:** Either determine why the operator was trying to execute transaction tranid or enter an authorized transaction identifier.

**Module:** DFHACP

**Destination:** Terminal End User

---

**DFHAC2034**

*time applid CICS Logic Error. An invalid error code has been passed to DFHACP. Transaction: tranid Terminal termid.*

**Explanation:** An invalid error code has been passed to DFHACP.

**System action:** Transaction tranid is terminated with a transaction dump. The dump code is AACA. Message DFHAC2035 is sent to the CSMT.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHACP

**Destination:** Terminal End User

---

**DFHAC2035**

*date time applid An invalid error code has been passed to DFHACP. Transaction tranid is terminated. Terminal termid.*

**Explanation:** An invalid error code has been passed to DFHACP.

**System action:** Transaction tranid is terminated with a transaction dump. A transaction dump is taken. The dump code is AACA. Message DFHAC2034 is sent to the terminal user.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHACP

**Destination:** Terminal End User

---

**DFHAC2036**

*date time applid Transaction tranid has failed with abend AKCC. Resource backout was successful.*

**Explanation:** Transaction tranid has abended AKCC.

**System action:** The transaction (task) is purged.

**User response:** Resubmit the transaction later.

**Module:** DFHTFP

---

**DFHAC2037**

*date time applid Transaction tranid is not executable on terminal termid.*

**Explanation:** A conflict has been detected between the options specified for transaction tranid’s definition and those specified on terminal termid’s DFHTCT table entry. For example, transaction tranid is reserved for the use of z/OS Communications Server terminals but the input came from a non-z/OS Communications Server terminal.

**System action:** The input is ignored.

**User response:** If transaction tranid is to be entered from terminal termid, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

**Module:** DFHACP

**Destination:** CSMT

---

**DFHAC2038**

*date time applid The conversation type requested by node netname was not recognized.*

**Explanation:** CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

**System action:** The attach request is rejected.

**User response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified.

**Module:** DFHACP

**Destination:** CSMT

---

**DFHAC2039**

*date time applid An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node netname.*

**Explanation:** The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

**System action:** The attach request is rejected.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.
DFHAC2040  DFHAC2044

Module:  DFHACP
XMEOUT Parameters:  date, time, applid, netname
Destination:  CSMT

DFHAC2040  date time applid  An invalid sync point level has been requested by node netname.

Explanation:  The synchronization level requested in the attach header is invalid for the session being used.
System action:  The attach request is rejected.
User response:  Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Module:  DFHACP
XMEOUT Parameters:  date, time, applid, netname
Destination:  CSMT

DFHAC2041  date time applid  An invalid Unit of Work Identification (UOWID) has been supplied by node netname.

Explanation:  The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.
System action:  The attach request is rejected.
User response:  Notify the system programmer. The validity of the attach function management header (FMH), and identify the failing subsystem. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Module:  DFHACP
XMEOUT Parameters:  date, time, applid
Destination:  CSMT and Terminal End User

DFHAC2044  date time applid  An error occurred while trying to send SYNCPOINT ROLLBACK to terminal termid.

Explanation:  An attempt was made to send a SYNCPOINT ROLLBACK request. A nonzero return code was received by the sender of the request.
System action:  ABORT processing is initiated for terminal termid.
User response:  Notify the system programmer. Use trace to find the value of the return code from the SYNCPOINT ROLLBACK request. For IRC, the meaning of the return code can be found in the CICS Data Areas manual.
DFHAC2045  date time applid  CICS autoinstall for console consname was rejected by the autoinstall control program.

Explanation:  The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed because the autoinstall program has rejected the install request.

System action:  The MODIFY command from the console is ignored.

User response:  Notify the system programmer, who should alter the autoinstall program to allow this console to be installed.

Module:  DFHACP, DFHZATA2

XMEOUT Parameters:  date, time,applid, consname

Destination:  CSMT

DFHAC2047  date time applid  While performing an attach for node netname a security violation was detected.

Explanation:  A request to attach a remote transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user in the remote system, but the signon call failed.

System action:  The attach request is rejected.

User response:  Refer to previous security messages which are written to TDQ CSCS such as DFHSN1604 for further information and guidance. If no previous messages were issued, examine the trace to determine the reason for the signon failure. Check that if the userid, password or profile are passed on the Attach FMH5, then they are valid.

Module:  DFHACP

XMEOUT Parameters:  date, time,applid, netname

Destination:  CSMT and Terminal End User

DFHAC2050  time applid  An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation:  The access security information length field in the attach header was invalid.

System action:  An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Module:  DFHACP

XMEOUT Parameters:  date, time,applid, netname

Destination:  CSMT

DFHAC2051  date time applid  An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation:  The access security information length field in the attach header was invalid.

System action:  An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Module:  DFHACP

XMEOUT Parameters:  date, time,applid, netname

Destination:  CSMT

DFHAC2052  time applid  While performing an attach for node netname a security violation was detected.

Explanation:  A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System action:  An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User response:  Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Module:  DFHACP

Destination:  Terminal End User

DFHAC2053  date time applid  While performing an attach for node netname a security violation was detected.

Explanation:  A password was required in the attach FMH5, but was missing. A user ID was found, however, since the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System action:  An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected. Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.
DFHAC2054 • DFHAC2058

**Module:** DFHACP 
**XMEOUT Parameters:** date, time, applid, netname 
**Destination:** CSMT

DFHAC2054  
*You are not authorized to access this system.*

**Explanation:** The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

**System action:** The attach request is rejected by the remote system and the session is unbound. The remote system issues messages DFHAC2055 on CSMT and DFHZC4946 on CSNE.

**User response:** Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2055 on CSMT and DFHZC4946 on CSNE issued by the remote system for more diagnostic information.

**Module:** DFHACP 
**Destination:** Terminal End User

DFHAC2055  
*An attach request from node netname has sent BIND/FMH5 security data that is invalid.*

**Explanation:** A request to attach a task has been received across an APPC link. However, there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

**System action:** The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZC4946 on CSNE contains sense information to help identify the reason for the failure. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZC4947 on CSNE which contains sense information to help identify the reason for the failure.

*If the remote system has an earlier release of CICS or CICS on another platform then you may need to set USEDFLTUSER. See Attach Time Security and the USEDFLTUSER option in the CICS RACF Security Guide.*

**Module:** DFHACP 
**XMEOUT Parameters:** date, time, applid, netname 
**Destination:** CSMT

DFHAC2056  
*You are not authorized to access this system.*

**Explanation:** The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

**System action:** The attach request is rejected by the remote system and the session is unbound. The remote system will produce messages DFHAC2057 on CSMT and DFHZC4947 on CSNE.

**User response:** Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2057 on CSMT and DFHZC4947 on CSNE issued by the remote system for more diagnostic information.

**Module:** DFHACP 
**Destination:** Terminal End User

DFHAC2057  
*While performing an attach for node netname a security violation was detected.*

**Explanation:** A request to attach a task has been received across an APPC link. However, the FMH attach parameters do not conform to the APPC protocol.

**System action:** The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZC4947 is issued. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZC4947 on CSNE which contains sense information to help identify the reason for the failure.

If the remote system has an earlier release of CICS or CICS on another platform then you may need to set USEDFLTUSER. See Attach Time Security and the USEDFLTUSER option in the CICS RACF Security Guide.

**Module:** DFHACP 
**XMEOUT Parameters:** date, time, applid, netname 
**Destination:** CSMT

DFHAC2058  
*A severe error has occurred. System task CSKP was unable to run because program DFHRMXN3 could not be loaded.*

**Explanation:** The Activity Keypoint Task CSKP attempted to run but was unable to do so because program DFHRMXN3 could not be loaded.

**Possible reasons for this are:**
- The library containing DFHRMXN3 is missing from DFHRPL
- DFHRMXN3 is missing from a library in the DFHRPL

**System action:** CICS writes an exception trace entry, takes a system dump and writes message DFHAC2058
to the console and CSMT. CICS will continue processing but system log management will be severely compromised.

**User response:** It is strongly recommended CICS is shut down. Investigate why DFHRMXN3 could not be loaded and restart CICS when the problem is resolved.

**Module:** DFHACP.

**XMEOUT Parameters:**
1. date
2. time
3. applid

**Destination:** Console and CSMT.

---

### DFHAC2201 • DFHAC2203

**Explanation:** Transaction `tranid` has lost contact with its coordinator system during syncpoint processing and has abended with code ASP1. The unit of work is shunted until contact is restored. `condmsg`

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction `tranid` has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed but is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

If possible, a conditional message `condmsg` from the linked system is appended to this message.

**System action:** Message DFHAC2231 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.

Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

**Module:** DFHTFP

**Destination:** Terminal End User

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### DFHAC2201

**Explanation:** Transaction `tranid` has lost contact with its coordinator system during syncpoint processing and has abended with code ASP1. The unit of work is shunted until contact is restored. `condmsg`

In accordance with the transaction definition (WAIT YES), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message `condmsg` from the linked system is appended to this message.

**System action:** Message DFHAC2231 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.

Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

**Module:** DFHTFP

**Destination:** Terminal End User

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### DFHAC2203

**Explanation:** Transaction `tranid` has lost contact with its coordinator system during syncpoint processing and has abended with code ASPPO. All updates will be unilaterally backed out. `condmsg`

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message `condmsg` from the linked system is appended to this message.

**System action:** Message DFHAC2233 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.

Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

**Module:** DFHTFP

**Destination:** Terminal End User
DFHAC2204  time applid  A commit failure has occurred during syncpoint processing for transaction tranid. condmsg

Explanation:  An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, transient data, have been updated. A commit failure occurred during phase 2 of the syncpoint protocol for a local resource owner.

If possible, a conditional message condmsg from the linked system is appended to this message.

System action:  Message DFHAC2234 is sent to the master terminal operator (destination CSMT). For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the commit failure remain locked and the unit of work is shunted.

User response:  Refer to earlier messages output by the local resource owner to discover the cause of the commit failure.

Module:  DFHTFP

Destination:  Terminal End User

DFHAC2205  time applid  A backout failure has occurred during syncpoint processing for transaction tranid. condmsg

Explanation:  An attempt to backout a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System action:  Message DFHAC2235 is sent to the master terminal operator (destination CSMT). For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the backout failure remain locked and the unit of work is shunted.

User response:  Refer to earlier messages output by the local resource owner to discover the cause of the backout failure.

Module:  DFHTFP

Destination:  Terminal End User

DFHAC2206  time applid  Transaction tranid failed with abend abcode. Updates to local recoverable resources backed out. condmsg

Explanation:  Transaction tranid is abnormally terminated with abend code abcode. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(abcode) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

If possible, a conditional message condmsg from the remote system will be appended to this message.

When this message is issued in the terminal owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message tells you whether or not resources in the remote system have been backed out.

System action:  Message DFHAC2236 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User response:  Use the abend code, abcode, to diagnose the problem. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Resubmit the transaction after the cause of the original abend has been removed.

Module:  DFHTFP

Destination:  Terminal End User

DFHAC2215  time applid  A CICS-generated syncpoint request has failed because a connected system has requested that the UOW be rolled back. Transaction tranid has been abnormally terminated with code ASPF. condmsg

Explanation:  CICS has been unable to comply with an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abend code ASPF. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.
DFHAC2216 • DFHAC2219

**System action:** Message DFHAC2245 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2216** *time applid Transaction termination processing for transaction tranid has failed because a connected system has requested that the UOW be rolled back.*

**Explanation:** A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives a backout request on a protected conversation.

Recoverable resources updated by the unit of work are backed out and locks released.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

**System action:** Message DFHAC2246 is sent to the master terminal operator (destination CSMT). Termination processing continues.

**User response:** To avoid the error, the application should code an EXEC CICS SYNCPOINT command before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed, and the ROLLEDBACK condition returned on the EXEC CICS SYNCPOINT command. If this condition is then handled, a subsequent EXEC CICS RETURN will complete successfully.

Resubmit the transaction after the cause of the indication to roll back has been removed.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2217** *time applid Transaction tranid has requested rollback, but was using a type of processing for which rollback is not supported. The transaction has been abnormally terminated with code ASP8.*

**Explanation:** An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction *tranid* is abnormally terminated with abend code ASP8. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

If possible, a conditional message *condmsg* from the linked system will be appended to this message.

**System action:** Message DFHAC2247 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Refer to the explanation of abend ASP8.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2218** *time applid Transaction tranid has failed with abend ASP7 following the failure of a local resource owner in the prepare phase of syncpoint. Updates will be backed out.*

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

**System action:** Message DFHAC2248 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Refer to the explanation of abend ASP7.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2219** *time applid Transaction tranid has failed with abend ASP7 following the failure of a remote system in the prepare phase of syncpoint. Updates will be backed out.*

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied
'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction **tranid** is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message **condmsg** from the linked system is appended to this message.

**System action:** Message DFHAC2249 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Refer to the explanation of abend ASP7.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2220** 

**time applid** The coordinator system has indicated that the current unit of work is to be backed out. Transaction **tranid** has been abnormally terminated with abend ASP3. **condmsg**

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. During the syncpoint protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction **tranid** is abnormally terminated with abend code ASP3. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message **condmsg** from the linked system is appended to this message.

**System action:** Message DFHAC2250 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Refer to the remote coordinator system to discover the reason why the unit of work was backed out.

**Module:** DFHTFP

**Destination:** Terminal End User

---

**DFHAC2222** 

**time applid** Transaction **tranid** has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR. **condmsg**

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction **tranid** has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However no recoverable resources have been updated by this system, so there is no data integrity problem.

Transaction **tranid** is abnormally terminated with abend code ASPR.

If possible, a conditional message **condmsg** from the linked system is appended to this message.

**System action:** Message DFHAC2252 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** Refer to messages on the remote system to determine if the remote resources were backed out or committed.

**Module:** DFHTFP

**Destination:** Terminal End User
**Transaction**

Transaction **tranid** has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out. **condmsg**

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE syncpoint request. The links to remote resource owners have been updated, and data on remote CICS systems, or database managers system, for example files, temporary storage, transient.

**System action:** Message DFHAC2253 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** See the explanation of abend ASP2 for guidance.

**Module:** DFHTFP

**Destination:** Terminal End User

**DFHAC2230** • **DFHAC2231** • **DFHAC2232**

**Explanation:** Transaction **tranid** is abnormally terminated with abend code ASP2. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

**System action:** Message DFHAC2253 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User response:** See the explanation of abend ASP2 for guidance.

**Module:** DFHTFP

**Destination:** Terminal End User

**DFHAC2230** • **DFHAC2231** • **DFHAC2232**

**Transaction** **tranid** running program **program name** **term** has lost contact with its coordinator system during syncpoint and has abended with code ASPO. All updates will be unilaterally committed. **EXCI job =** **exci_id**, **condmsg**

**Explanation:** Transaction **tranid** has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. In accordance with the transaction definition (WAIT YES), the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

**User response:** Refer to explanation of abend code ASP1.

**Module:** DFHTFP

**XMEOUT Parameters:**  
**date, time, applid, tranid, program name, termid, **{1=}**, EXCI job = l, exci_id, condmsg**

**Destination:** CSMT

**DFHAC2233** • **DFHAC2234** • **DFHAC2235**

**Transaction** **tranid** running program **program name** has lost contact with its coordinator system during syncpoint and has abended with code ASPO. All updates will be unilaterally committed. **EXCI job =** **exci_id**, **condmsg**

**Explanation:** Transaction **tranid** has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPO.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost.
DFHAC2233 • DFHAC2234

since the coordinator system may either commit or back out its changes.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system. The display ends with the termination message conmsg issued by the linked system.

System action: If possible, message DFHAC2202 is sent to the terminal user. Normal abend processing continues.

User response: None. In accordance with the transaction definition, all updates are unilaterally backed out.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, program name,termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2233 date time applid Transaction tranid running program program name term termid has lost contact with its coordinator system during syncpoint and has abended with code ASPP. All updates will be unilaterally backed out. EXCI job = lexcid, condmsg

Explanation: Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost since the coordinator system may either commit or back out its changes.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.

System action: If possible, message DFHAC2203 is sent to the terminal user. Normal abend processing continues.

User response: None. In accordance with the transaction definition, all updates are unilaterally backed out.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, program name,termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2234 date time applid A commit failure has occurred during syncpoint processing for transaction tranid, terminal termid. The transaction will be allowed to complete normally if. EXCI job = lexcid, condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated. A failure occurred during phase 2 of the syncpoint protocol for a local resource owner. The affected unit of work has recorded its outcome (either forwards or backwards) on the system log, but the resources managed by the local resource owner that failed will remain locked.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.
DFHAC2235 • DFHAC2236

System action: If possible, message DFHAC2204 is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. If EXEC CICS RETURN, the transaction completes normally.

Resources affected by the failure remain locked and the unit of work is shunted.

User response: Refer to earlier messages issued by the local resource owner to determine the cause of the failure.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2235

date time applid A backout failure has occurred during syncpoint processing for transaction tranid, terminal termid. The transaction will be allowed to complete normally {1. EXCI job = }exci_id, condmsg

Explanation: An attempt to back out a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.

System action: If possible, message DFHAC2205 is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the backout failure remain locked and the unit of work is shunted.

User response: Refer to an earlier messages issued by the local resource owner to determine the cause of the backout failure.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, secondary abendcode in program program name term termid. Updates to local recoverable resources will be backed out. EXCI job = exci_id, condmsg

Destination: CSMT

DFHAC2236

date time applid Transaction tranid abend secondary abendcode in program program name term termid. Updates to local recoverable resources will be backed out. EXCI job = exci_id, condmsg

Explanation: Transaction tranid is abnormally terminated with abendcode in program program name. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

EXCI Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

When this message is issued in the Terminal Owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message will tell you whether or not resources in the remote system have been backed out.

Program program name will be unknown when the message is issued in a Terminal Owning region.

System action: If possible, message DFHAC2206 is sent to the terminal user. Normal abend processing continues.

User response: See the description of the abendcode for guidance. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If abendcode is not a CICS abend, it is a user code, in which case you should consult the programmer responsible for this area.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, secondary abendcode, program name, termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT
DFHAC2245 date time applid A CICS-generated syncpoint request could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction tranid running program program name term termid has been abnormally terminated with code ASPF. EXCI job = exci_id, condmsg

Explanation: CICS has been unable to complete an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abend code ASPF in program program name. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System action: If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, program name,termid, {1= EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2246 date time applid Transaction termination processing for transaction tranid could not be completed normally because a connected system has requested that the unit of work be rolled back. EXCI job = exci_id, condmsg

Explanation: A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives a backout request on a protected conversation.

Recoverable resources updated by the unit of work are backed out and locks released.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System action: If possible, message DFHAC2216 is sent to the terminal user. Termination processing continues.

User response: To avoid the error, the application should code an EXEC CICS SYNCPOINT command before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed, and the ROLLEDBACK condition returned on the EXEC CICS SYNCPOINT command. If this condition is then handled, a subsequent EXEC CICS RETURN will complete successfully.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, {1= EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2247 date time applid Transaction tranid running program program name term termid has requested rollback, but was using a type of processing for which rollback is not supported. The transaction has been abnormally terminated with code ASPS f. EXCI job = exci_id, condmsg

Explanation: An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.
Transaction \textit{tranid} is abnormally terminated with abend code ASP8 in program \textit{programe}. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

EXCI Job =\textit{excid} is added when \textit{tranid} is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The \textit{excid} consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal \textit{termid} represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, \textit{termid} is a terminal identifier (transaction routing) or a session identifier, \textit{sysid} is the identifier of the linked CICS system, and the display ends with the termination message \texttt{condmsg} issued by the linked system.

\textbf{System action:} If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

\textbf{User response:} Refer to explanation of abend code ASP7.

\textbf{Module:} DFHTFP

\textbf{XMEOUT Parameters:} \texttt{date, time,applid, tranid, program name,termid, \{='EXCI job = l, exci_id, condmsg\}}

\textbf{Destination:} CSMT

\begin{verbatim}
DFHAC2248  date time applid Transaction tranid
    running program program name term
    termid has failed with abend ASP7
    following the failure of a local resource owner in the prepare phase of
    syncpoint. Updates will be backed out.
    EXCI job = \{exci_id, condmsg\}

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction \textit{tranid} is abnormally terminated with abend code ASP7 in program \textit{programe}. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

EXCI Job =\textit{excid} is added when \textit{tranid} is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The \textit{excid} consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal \textit{termid} represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, \textit{termid} is a terminal identifier (transaction routing) or a session identifier, and \textit{sysid} is the identifier of the linked CICS system. The display ends with the termination message \texttt{condmsg} issued by the linked system.

\textbf{System action:} If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

\textbf{User response:} Refer to explanation of abend code ASP7.

\textbf{Module:} DFHTFP

\textbf{XMEOUT Parameters:} \texttt{date, time,applid, tranid, program name,termid, \{='EXCI job = l, exci_id, condmsg\}}

\textbf{Destination:} CSMT

\begin{verbatim}
DFHAC2249  date time applid Transaction tranid
    running program program name term
    termid has failed with abend ASP7
    following the failure of a remote system in the prepare phase of syncpoint.
    Updates will be backed out. EXCI job = \{exci_id, condmsg\}

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction \textit{tranid} is abnormally terminated with abend code ASP7 in program \textit{programe}. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

EXCI Job =\textit{excid} is added when \textit{tranid} is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The \textit{excid} consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal \textit{termid} represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, \textit{termid} is a terminal identifier (transaction routing) or a session identifier, and \textit{sysid} is the identifier of the linked CICS system. The display ends with the termination message \texttt{condmsg} issued by the linked system.

\textbf{System action:} If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

\textbf{User response:} Refer to explanation of abend code ASP7.

\textbf{Module:} DFHTFP

\textbf{XMEOUT Parameters:} \texttt{date, time,applid, tranid, program name,termid, \{='EXCI job = l, exci_id, condmsg\}}

\textbf{Destination:} CSMT
\end{verbatim}
the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System action: If possible, message DFHAC2219 is sent to the terminal user. Normal abend processing continues.

User response: Refer to explanation of abend code ASP7.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2250 date time applid The coordinator system has indicated that the current unit of work is to be backed out. Transaction tranid running program program name term termid has been abnormally terminated with abend ASP3/. EXCI job = exci_id, condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The local unit of work is part of a larger unit of work, and is not the coordinator in the syncpoint. The coordinator is either in a remote system or is another unit of work in the local system (if the transaction is the result of a RUN SYNCHRONOUS command). During the syncpoint protocol the coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction tranid is abnormally terminated with abend code ASP3 in program program name. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used this, can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system, and the display ends with the termination message condmsg issued by the linked system.

System action: If possible, message DFHAC2220 is sent to the terminal user. Normal abend processing continues.

User response: Refer to the coordinator system to determine the reason why the unit of work was backed out.

Module: DFHTFP

XMEOUT Parameters: date, time,applid, tranid, program name,termid, {1=. EXCI job = }, exci_id, condmsg

Destination: CSMT

DFHAC2251 date time applid Transaction tranid running program program name term termid has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system/. EXCI job = exci_id, condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASPQ in program program name. Recoverable resources have successfully been committed but a subsequent error occurred.

EXCI job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used this, can be different from the MVS system on which this CICS system is running. The MVsid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS; not a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system, and the display ends with the termination message condmsg issued by the linked system.

System action: If possible, message DFHAC2221 is
sent to the terminal user. Normal abend processing continues.

**User response:** Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1= EXCI job =1, exci_id, condmsg

**Destination:** CSMT

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**DFHAC2252**

date time applid Transaction tranid in program program name term termid has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR, EXCI job = exci_id, condmsg

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However no recoverable resources have been updated by this system and so there is no data integrity problem.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System action:** If possible, message DFHAC2223 is sent to the terminal user. Normal abend processing continues.

**User response:** See the explanation of abend code ASP2 for guidance.

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1= EXCI job =1, exci_id, condmsg

**Destination:** CSMT

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**DFHAC2253**

date time applid Transaction tranid running program program name term termid has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out. EXCI job = exci_id, condmsg

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASP2 in program program. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System action:** If possible, message DFHAC2223 is sent to the terminal user. Normal abend processing continues.

**User response:** See the explanation of abend code ASP2 for guidance.

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1= EXCI job =1, exci_id, condmsg

**Destination:** CSMT
DFHAC2259 • DFHAC2603

**DFHAC2259** date applid Transaction tranid abend primary abcode program name term termid DFHPEP not linked.

**Explanation:** Transaction tranid is abnormally terminated with abend code abcode. An error occurred in attempting to link to the user-written program error program (DFHPEP). The error prevented DFHPEP from being given control.

If CICS terminates abnormally because of a program control restart failure, this message can appear during shutdown.

**System action:** Depending on the reason for the failure, CICS may abnormally terminate or continue.

**User response:** The transaction abend code, abcode, gives the reason for the original transaction failure.

Determine why DFHPEP could not be invoked. It may be disabled.

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, primary abcode, program name, termid

**Destination:** CSMT

**DFHAC2260** date applid Transaction tranid disabled by DFHPEP.

**Explanation:** Transaction tranid, which has abnormally terminated, has been disabled. This is either as a result of user code in DFHPEP, or because the transaction has abended with abend ASRD or ASRE and DISMACP=YES has been specified (or allowed to default) in the startup parameters. No further use can be made of transaction tranid.

**System action:** Processing continues.

**User response:** Correct the cause of the abnormal termination and enable the transaction.

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

**Destination:** CSMT

**DFHAC2261** System sysid sent message (sense code cccccccc), 'tacbmsg'.

**Explanation:** A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tcbmsg is supplied from the remote system.

The tcbmsg may include the following CICS defined sense codes

'A0000100'x - session failure
'A0010100'x - read timeout
'A0010000'x - deadlock timeout

**System action:** Processing continues.

**User response:** Correct the reason for the abnormal termination in the remote system and run the transaction again.

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, sysid, cccccccc, tcbmsg

**Destination:** CSMT

**DFHAC2262** date applid System sysid sent message (sense code cccccccc), tcbmsg

**Explanation:** A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tcbmsg is supplied from the remote system.

The tcbmsg may include the following CICS defined sense codes

'A0000100'x - session failure
'A0010100'x - read timeout
'A0010000'x - deadlock timeout

**System action:** Processing continues.

**User response:** Correct the reason for the abnormal termination in the remote system and run the transaction again.

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, sysid, cccccccc, tcbmsg

**Destination:** CSMT

**DFHAC2263** date applid Transaction tranid abend primary abcode program name term termid DFHPEP has abnormally terminated.

**Explanation:** Transaction tranid has abended and the abnormal completion program (DFHACP) has linked to the user-written error program (DFHPEP). The error program has also abended.

**System action:** Processing continues.

**User response:** The transaction abend code abcode gives the reason for the original transaction failure. Correct the cause of the abnormal termination in the error program and run the transaction again.

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, primary abcode, program name, termid

**Destination:** CSMT

**DFHAC2603** Systsense sysid termid, taskid, No authorization

**Explanation:** An operator has attempted to execute a transaction for which the operator was not authorized. Alternatively, the operator’s authorization was set to the capability of the default user and the requested transaction has a security value greater than 1.

**System action:** Other processing continues.

**User response:** Either sign on or confirm authority to enter this transaction as appropriate. See messages DFHAC2002 and DFHAC2003 for further information.
DFHACP

**Module:** DFHACP

**Destination:** Terminal End User

### DFHAC2605 Syst.sense, systsense, termid, taskid, Insufficient resource

**Explanation:** The system was unable to execute the transaction at this time.

**System action:** The transaction is purged.

**User response:** Resubmit the transaction later.

### DFHAC2606 Syst.sense, systsense, termid, taskid, Function not executable

**Explanation:** Either the transaction was not valid during system quiesce, or the transaction has been disabled.

**System action:** The system action is error specific. For an invalid transaction during system quiesce, refer to the System Action of message DFHAC2007. For a transaction that has been disabled, refer to the System Action of message DFHAC2008.

**User response:** The user response is error specific. For an invalid transaction during system quiesce, refer to the User Response of message DFHAC2007. For a transaction that has been disabled, refer to the User Response of message DFHAC2008.

### DFHADnnnn messages

**DFHAD0001 applid** An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively

- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code aaaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaaa, is a user abend code produced either by CICS or by another product on the user’s system.

If X'offset' contains the value X'FFFF, module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**Or** CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer.

Look up the MVS code aaaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the modname insert contains the value ?? ??, CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code bbbb. If bbbb is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA), it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response. The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the CICS System Definition Guide.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADxx

XMEOUT Parameters: applid, aaaa/bbbb, X’offset’, modname

Destination: Console

---

DFHAD0201 Specified DJAR could not be found.

Explanation: A CICS DJAR resource with the specified name could not be found.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region.

Module: DFHADDRM

Destination: Terminal End User

---

DFHAD0202 Specified DJAR is in the DISCARDING state and cannot be used.

Explanation: The specified DJAR resource is in the DISCARDING state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region.

Module: DFHADDRM

Destination: Terminal End User

---

DFHAD0203 Specified DJAR is in the INITING state. Please wait and retry.

Explanation: The specified DJAR resource is in the INITING state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

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DFHAD0204 Specified DJAR is in the PENDINIT state. Please wait and retry.

Explanation: The specified DJAR resource is in the PENDINIT state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

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DFHAD0205 Specified DJAR is in the PENDRESOLVE state. Please wait and retry.

Explanation: The specified DJAR resource is in the PENDRESOLVE state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

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DFHAD0206 Specified DJAR is in the RESOLVING state. Please wait and retry.

Explanation: The specified DJAR resource is in the RESOLVING state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

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DFHAD0207 Specified DJAR is in the UNRESOLVED state and cannot be used.

Explanation: The specified DJAR resource is in the UNRESOLVED state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region.

Module: DFHADDRM

Destination: Terminal End User

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DFHAD0208 Specified DJAR is in the UNUSABLE state and cannot be used.

Explanation: The specified DJAR resource is in the UNUSABLE state and cannot be used.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region.

Module: DFHADDRM

Destination: Terminal End User
DFHAD0209 Fatal error occurred whilst reading shelf copy of specified DJAR.

Explanation: An unknown error occurred when DFHADJR attempted to read the shelf copy of the JAR file for the specified DJAR resource. As a result of this error the specified DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0210 Specified DJAR could not be found on the shelf.

Explanation: DFHADJR could not find the shelf copy of the JAR file for the specified DJAR resource. As a result of this error the specified DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Enter the name of an INSERVICE DJAR installed in the local CICS region, or retry your request.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0211 Shelf file for specified DJAR was not a valid JAR file.

Explanation: DFHADJR could not read the shelf copy of the JAR file for the specified DJAR resource, since it is not a valid JAR file. As a result of this error the specified DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Check that the JAR file for the specified DJAR is a valid JAR file and that it contains a valid deployment descriptor. Alternatively enter the name of an INSERVICE DJAR installed in the local CICS region.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0212 No JNDI name was supplied for bean lookup.

Explanation: DFHADJR could not find the name of JNDI server to use for performing bean lookups. As a result of this error the specified DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0213 TSQueue full error when retrieving information from specified DJAR.

Explanation: DFHADJR could not return information about the contents of the JAR file for the specified DJAR resource since the TS queue used to pass the information became full. As a result of this error the specified DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Retry your request when CICS has more available storage. You could also reduce the number of methods defined in the deployment descriptor, or split the beans within the JAR file into two or more JAR files.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0214 The specified DJAR contains no session beans.

Explanation: DFHADJR could not find any session beans in the deployment descriptor of the JAR file related to the specified DJAR resource. As a result of this error the DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Modify the deployment descriptor for the specified DJAR so that it contains references to one or more session beans and reinstall it into CICS.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0215 The specified DJAR contains session beans with invalid lengths.

Explanation: DFHADJR found one or more session beans listed in the deployment descriptor of the JAR file related to the specified DJAR resource that had names exceeding the 240 character limit. As a result of this error the DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Modify the names of the session beans listed in the deployment descriptor so that no name exceeds the 240 character limit and reinstall the JAR file into CICS.

Module: DFHADDRM
DFHAD0216 • DFHAD0264

Destination: Terminal End User

DFHAD0216 An error occurred with the Java classloader when reading the DJAR.

Explanation: An error occurred when DFHADJR attempted to generate the IDL names for methods listed in the JAR file related to the specified DJAR resource. An attempt to use the Java classloader failed as classes that were needed could not be found on the classpath. As a result the DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Ensure that all classes required by the beans in the JAR file related to the specified DJAR resource are available on the classpath.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0216 An error occurred with the Java classloader when reading the DJAR.

Explanation: An error occurred when DFHADJR attempted to generate the IDL names for methods listed in the JAR file related to the specified DJAR resource. An attempt to use the Java classloader failed as classes that were needed could not be found on the classpath. As a result the DJAR resource cannot be used by CREA/CREC.

System action: The transaction continues.

User response: Ensure that all classes required by the beans in the JAR file related to the specified DJAR resource are available on the classpath.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0231 Press Enter to confirm the change of DJAR or another key to revert.

Explanation: The name of the DJAR on the transaction ID association screen has been changed, indicating that the user wishes to work with a different DJAR resource.

System action: The transaction waits for the user to press the Enter key to confirm that they wish to work with a different DJAR.

User response: Press Enter to work with a different DJAR, or any other key to continue working with the current DJAR. If the DJAR name is changed again whilst this message is displayed, then the DJAR name will revert back to the original DJAR name.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0232 Error generating REQUESTMODELS - IDL errors for indicated methods.

Explanation: One or more IDL strings generated for the operation field of a REQUESTMODEL are longer than the 255 character maximum. The methods with the IDL mangled names that are causing the problems are highlighted with an asterisk (*) character.

System action: The transaction continues.

User response: Alter the transaction IDs assigned to the problematic methods such that those methods do not require their own REQUESTMODELS, but can instead be handled by a more generic REQUESTMODEL. An example of a more generic REQUESTMODEL is the REQUESTMODEL that is created for all methods on a given bean, and would therefore have '*' in the operation field.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0261 RequestModel rmName was successfully created.

Explanation: The REQUESTMODEL was successfully created, being installed into CICS and/or written to the CSD as specified.

System action: The transaction continues.

User response: None.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0262 REQUESTMODEL could not be created.

Explanation: The REQUESTMODEL could not be created for some unknown reason.

System action: The transaction continues.

User response: Skip the REQUESTMODEL or alter the name value and try again.

If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0263 No action was selected. Please select an action.

Explanation: The REQUESTMODEL can be installed into CICS and/or defined to the CSD, but no action was selected.

System action: The transaction continues.

User response: Adjust the 'Define to CSD' and/or 'Install into CICS' fields by overtyping the 'N' with a 'Y'. Alternatively skip creating the REQUESTMODEL.

Module: DFHADDRM

Destination: Terminal End User

DFHAD0264 REQUESTMODEL could not be written to the CSD.

Explanation: The specified REQUESTMODEL could not be written to the CSD for some unknown reason.

System action: The transaction continues.

User response: Ensure that the CSD is available for write access and that there are no locks held on the group that you are attempting to write to. You can then either skip the REQUESTMODEL, or alter the name and/or group value and try again.
If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHADDRM  
**Destination:** Terminal End User

---

**DFHAD0265**  REQUESTMODEL could not be installed.  

**Explanation:** The specified REQUESTMODEL could not be installed into CICS for some unknown reason. If you have selected to define the REQUESTMODEL to the CSD, then this operation will not have been performed.

**System action:** The transaction continues.

**User response:** Skip the REQUESTMODEL or alter the name value and try again.

If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHADDRM  
**Destination:** Terminal End User

---

**DFHAD0266** Please specify a valid CSD group name.  

**Explanation:** The user attempted to write the REQUESTMODEL to the CSD, but did not provide a valid name for the group the REQUESTMODEL should be written into.

**System action:** The transaction continues.

**User response:** Enter a valid name for the CSD group into which this REQUESTMODEL is to be written, or deselect the option for writing it to the CSD.

**Module:** DFHADDRM  
**Destination:** Terminal End User

---

**DFHAD0267** A duplicate REQUESTMODEL is already installed.  

**Explanation:** A duplicate copy of the specified REQUESTMODEL has already been installed into CICS. Since the option for replacing duplicate REQUESTMODELs (Replace Dups) was not selected, this REQUESTMODEL has not been installed. If you have selected to define the REQUESTMODEL to the CSD, then this operation will not have been performed.

**System action:** The transaction continues.

**User response:** Either select the option for replacing duplicate REQUESTMODELs, or press PF9 (as prompted) to replace the duplicate for this REQUESTMODEL only. You can alternatively choose to skip the REQUESTMODEL or alter the name and/or group and retry your request.

**Module:** DFHADDRM  
**Destination:** Terminal End User

---

**DFHAD0268** A duplicate REQUESTMODEL already exists in the CSD.  

**Explanation:** A duplicate copy of the specified REQUESTMODEL has already been written to the CSD. Since the option for replacing duplicate REQUESTMODELs (Replace Dups) was not selected, this REQUESTMODEL has not been written to the CSD. If you have selected to install the REQUESTMODEL into CICS, then this operation will be backed out.

**System action:** The transaction continues.

**User response:** Either select the option for replacing duplicate REQUESTMODELs, or press PF9 (as prompted) to replace the duplicate for this REQUESTMODEL only. You can alternatively choose to skip the REQUESTMODEL or alter the name and/or group and retry your request.

**Module:** DFHADDRM  
**Destination:** Terminal End User

---

**DFHAD0269** An error occurred whilst discarding a duplicate REQUESTMODEL.  

**Explanation:** Whilst attempting to discard a REQUESTMODEL from CICS (as the result of a request to replace a REQUESTMODEL), an unknown error occurred. The REQUESTMODEL has not been installed into CICS. If you have selected to define the REQUESTMODEL to the CSD, then this operation will not have been performed.

**System action:** The transaction continues.

**User response:** Skip the REQUESTMODEL or alter the name and/or group value and try again.

If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHADDRM  
**Destination:** Terminal End User

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**DFHAD0270** An error occurred whilst replacing a duplicate REQUESTMODEL.  

**Explanation:** Whilst attempting to replace an existing REQUESTMODEL an unknown error occurred. The REQUESTMODEL has not been installed into CICS.
DFHAD0271 • DFHAD0273

System action: The transaction continues.
User response: Skip the REQUESTMODEL or alter the name and/or group value and try again.
If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHADDRM
Destination: Terminal End User

DFHAD0271 Error trying to delete a duplicate REQUESTMODEL from the CSD.

Explanation: Whilst attempting to delete a REQUESTMODEL from the CSD (as the result of a request to replace a duplicate REQUESTMODEL), an unknown error occurred. The new REQUESTMODEL has not been written to the CSD. If you have selected to install the REQUESTMODEL into CICS, then this operation will be backed out.
System action: The transaction continues.
User response: Ensure that the CSD is available for write access and that there are no locks held on the group that you are attempting to delete from. You can then either skip the REQUESTMODEL, or alter the name and/or group value and try again.
If the problem persists check the trace data sets for more information. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHADDRM
Destination: Terminal End User

DFHAD0272 No name could be generated for this REQUESTMODEL. Range exceeded.

Explanation: No name could be generated for this REQUESTMODEL since the name for the REQUESTMODEL created previously was the maximum size allowed for a REQUESTMODEL name and had reached the upper numerical limit.
System action: The transaction continues.
User response: Enter a new REQUESTMODEL name that has not already been used. You may attempt to create a REQUESTMODEL with the name shown, but if a REQUESTMODEL with the same name already exists this will not work. Alternatively you may choose to skip this REQUESTMODEL.
Module: DFHADDRM
Destination: Terminal End User

DFHAD0273 Please specify a valid name for this REQUESTMODEL.

Explanation: No valid name was given for the REQUESTMODEL. Without a valid name the REQUESTMODEL cannot be created.
System action: The transaction continues.
User response: Enter a valid REQUESTMODEL name that has not already been used. Alternatively you may choose to skip this REQUESTMODEL.
Module: DFHADDRM
Destination: Terminal End User
**DFHAI0101I** applid AITM initialization has started.

**Explanation:** This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has begun.

**System action:** Initialization continues.

**User response:** None.

**Module:** DFHAIIN

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHAI0102I** applid AITM initialization has ended.

**Explanation:** This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has completed.

**System action:** CICS initialization continues.

**User response:** None.

**Module:** DFHAIIN

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHAI0103I** applid AITM initialization has failed.

**Explanation:** Autoinstall terminal model manager (AITM) initialization has failed.

**System action:** Message DFHSI1521 is issued and initialization is terminated. A further error message from another domain may also be issued.

**User response:** This error is identified by a trace entry. Refer to DFHSI1521, and any other error message issued, for further guidance.

**Module:** DFHAIIN

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHAI0201I** date time applid Terminal Model modelname has been re-installed.

**Explanation:** This is an audit log message indicating that a record of the dynamic replacement of auto-install terminal model modelname has been made in the transient data destination.

**System action:** The system continues normally.

**User response:** None.

**Module:** DFHAITM

**XMEOUT Parameters:** date, time,applid, modelname

**Destination:** CAIL

---

**DFHAI0202I** date time applid Terminal Model modelname has been installed.

**Explanation:** This is an audit log message indicating that a record of the dynamic addition of auto-install terminal model modelname has been made in the transient data destination.

**System action:** The system continues normally.

**User response:** None.

**Module:** DFHAITM

**XMEOUT Parameters:** date, time,applid, modelname

**Destination:** CAIL

---

**DFHAI0203I** date time applid Terminal Model modelname has been discarded.

**Explanation:** This is an audit log message indicating that a record of the dynamic deletion of auto-install terminal model modelname has been made in the transient data destination using the DISCARD command.

**System action:** The system continues normally.

**User response:** None.

**Module:** DFHAITM

**XMEOUT Parameters:** date, time,applid, modelname

**Destination:** CAIL

---

**DFHAM4800I** applid New group grpname created.

**Explanation:** A new group grpname has been created on the CSD.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAM

**Destination:** Terminal End User

---

**DFHAM4801I** applid New list lstname created.

**Explanation:** A new list lstname has been created on the CSD.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAM

**Destination:** Terminal End User
DFHAM4802E  applid name is an invalid name.

**Explanation:** The name name in the command is invalid.

**System action:** Processing continues.

**User response:** Specify a valid name.

**Module:** DFHAM

**XMEOUT Parameters:** applid, name

**Destination:** Console and Terminal End User

---

DFHAM4803E  applid Install failed because an existing definition for file filename could not be deleted.

**Explanation:** An attempt was made to install file filename. File filename already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

If the file is the Local Request Queue file (DFHLRQ), it is not possible to re-install it even if the file is closed and disabled.

**System action:** The install fails.

**User response:** Rectify the problem and try the install again.

**Module:** DFHAM

**XMEOUT Parameters:** applid, filename

**Destination:** Console and Terminal End User

---

DFHAM4804E  applid Invalid LIST name listname.

**Explanation:** The GRPLIST parameter of the system initialization table (SIT) specifies a list name listname that contains characters unacceptable to RDO.

**System action:** CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

**User response:** Enter a valid list name or enter 'CANCEL', correct the GRPLIST parameter in the SIT, and reinitialize CICS.

**Module:** DFHAM

**XMEOUT Parameters:** applid, listname

**Destination:** Console and Terminal End User

---

DFHAM4805E  applid Unable to perform operation: name is locked to APPLID applid, OPID opid to prevent updating.

**Explanation:** An attempt has been made to lock, or update, a group or a list that is currently locked to another user.

**System action:** Processing continues.

---

DFHAM4806E  applid Group name grpname exists as a LIST name.

**Explanation:** The system initialization table (SIT) GRPLIST parameter names a list that contains an unusable group name grpname. CICS cannot find this group because no resources are defined as belonging to it, and also because a list of the same name already exists in the CSD.

**System action:** CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

**User response:** If you do not require group grpname, enter 'GO'.

If group grpname is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

**Module:** DFHAM

**XMEOUT Parameters:** applid, grpname

**Destination:** Console and Terminal End User

---

DFHAM4807 E  applid Install failed for LSRPOOL with LSRPOOLNUM(lsrpoolnum). The MAXKEYLENGTH is less than 22 which is incorrect for use by the CSD.

**Explanation:** An attempt to install an LSRPOOL with LSRPOOLNUM lsrpoolnum has failed. The system detected that the installation of this LSRPOOL would cause the CSD to become not readable. The MAXKEYLENGTH parameter on this LSRPOOL definition is invalid for an LSRPOOL used by the CSD.

**System action:** This install fails and the previous LSRPOOL definition remains installed.

**User response:** The MAXKEYLENGTH parameter on the LSRPOOL definition must be at least 22 as this is the keylength required by the CSD. To resolve this problem, either change the LSRPOOL definition to have a MAXKEYLENGTH of 22 or greater, or change the DFHCSD file definition to use RLS or NSR.

**Module:** DFHAM

**XMEOUT Parameters:** applid, lsrpoolnum

**Destination:** Console and Terminal End User
DFHAM4808E  applid Object already exists in this group.

Explanation:  An attempt has been made to define an object in a group, but an object with the same name already exists.

System action:  The definition on the CSD is presented to the user to overtype.

User response:  Reenter the command with a different object name, or change the existing definition.

Module:  DFHAMP

Destination:  Terminal End User

DFHAM4809E  applid Date/time fields do not match (object updated by another user).

Explanation:  The definition of an object on the CSD has been changed while the user was altering the definition.

System action:  Processing continues.

User response:  Reenter the command.

Module:  DFHAMP

Destination:  Terminal End User

DFHAM4810E  applid Object not found (deleted by another user).

Explanation:  The definition of an object on the CSD has been deleted while the user was altering the definition.

System action:  Processing continues.

User response:  Determine why the definition has been deleted.  Recreate and update the object if necessary.

Module:  DFHAMP

Destination:  Terminal End User

DFHAM4811E  applid name1 does not contain name2.

Explanation:  The required object name2 could not be found on the CSD in group name1.

System action:  Processing continues.

User response:  Determine why the definition cannot be found.

Module:  DFHAMP

XMEOUT Parameters:  applid, name1, name2

Destination:  Console and Terminal End User

DFHAM4812W  applid Install of LIBRARY libname encountered a data set (allocation | concatenation | open) failure.  The LIBRARY is installed but disabled.

Explanation:  Install of the dynamic LIBRARY resource libname has completed but one of the steps required for the successful completion of the LIBRARY install process has failed.  The error occurred while attempting to do one of the following

- Allocate a data set that was defined as one of the DSNAME attributes in the LIBRARY resource definition
- Concatenate the data sets together
- Open the LIBRARY concatenation.

The message text indicates which of these errors has occurred.  Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

System action:  Processing continues.  Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED.  Also, this LIBRARY will not be searched when program artifacts are loaded.  Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response:  Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY.  When the problem has been resolved, SET LIBRARY libname to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

Module:  DFHAMP

XMEOUT Parameters:  applid, libname,[1=allocation, 2=concatenation, 3=open]

Destination:  Console and Terminal End User

DFHAM4813W  applid Install of LIBRARY libname encountered an MVS ABEND.  The LIBRARY is installed but disabled.

Explanation:  Install of the dynamic LIBRARY resource libname has completed but one of the steps required for the successful completion of the LIBRARY install process has failed.  Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

System action:  Processing continues.  Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED.  Also, this LIBRARY will not be searched
when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY `libname` will not be loaded from this LIBRARY.

**User response:** Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, set LIBRARY `libname` to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP  
**XMEOUT Parameters:** `applid, libname`  
**Destination:** Console and Terminal End User

---

DFHAM4814E  
**applid** List name `listname` exists as a group name.

**Explanation:** The GRPLIST parameter of the system initialization table (SIT) specifies an invalid list name `listname`. CICS cannot find the list because a group of the same name already exists in the CSD.

**System action:** CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

**User response:** Enter a valid list name, or enter 'CANCEL', correct the GRPLIST system initialization parameter and reinitialize CICS.

**Module:** DFHAMP  
**XMEOUT Parameters:** `applid, listname`  
**Destination:** Console and Terminal End User

---

DFHAM4815E  
**applid** Group `grpname` not found in this list.

**Explanation:** The AFTER/BEFORE name entered in the command could not be found in this list. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

**System action:** Processing continues.

**User response:** Reenter the command with a group name that exists on this list.

**Module:** DFHAMP  
**Destination:** Terminal End User

---

DFHAM4816E  
**applid** Unable to install group `grpname` - group not found.

**Explanation:** The GRPLIST parameter of the system initialization table (SIT) names a list that contains an unusable group name `grpname`. CICS cannot find group `grpname` because no resources are defined as belonging to it.

**System action:** CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

---

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

**User response:** If you do not require group `grpname`, enter 'GO'.

If group `grpname` is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

**Module:** DFHAMP  
**XMEOUT Parameters:** `applid, grpname`  
**Destination:** Console and Terminal End User

---

DFHAM4817E  
**applid** Install of LIBRARY `libname` failed with an MVS ABEND. The LIBRARY is not installed.

**Explanation:** Install of the dynamic LIBRARY resource `libname` has failed because of an MVS ABEND. Due to the error, the LIBRARY has not been installed, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action:** Processing continues. This LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY `libname` will not be loaded from this LIBRARY.

**User response:** Examine the messages issued by the Loader domain to determine the type of MVS abend that occurred during install processing for this LIBRARY. When the problem has been resolved, re-install LIBRARY `libname` in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP  
**XMEOUT Parameters:** `applid, libname`  
**Destination:** Console and Terminal End User

---

DFHAM4818E  
**applid** Group already exists in this list.

**Explanation:** The group already exists in the list.

**System action:** Processing continues.

**User response:** Determine why the group exists and reenter the command, perhaps with a different group name.

**Module:** DFHAMP  
**Destination:** Terminal End User

---

DFHAM4819E  
**applid** Group already exists in this list.

**Explanation:** The group already exists in the list.

**System action:** Processing continues.

**User response:** Determine why the group exists and reenter the command, perhaps with a different group name.

**Module:** DFHAMP  
**Destination:** Terminal End User

---

DFHAM4820S  
**applid** Unable to perform request - CSD full.

**Explanation:** The CSD file is full.

**System action:** Processing continues.
**DFHAM4821S • DFHAM4826S**

**DFHAM4821S**  
*applid* Unable to perform request - I/O error to CSD.  
*Explanation:* An error occurred while the CSD file was being accessed during CICS initialization. This may be because the disk containing the CSD file was mounted incorrectly.  
*System action:* CICS terminates.  
*User response:* Retry the CICS initialization. If the problem persists, a hardware fault probably exists, and you should load a backup copy of the CSD.  
*Module:* DFHAMP  
*XMEOUT Parameter:* applid  
*Destination:* Console and Terminal End User

**DFHAM4823S**  
*applid* Unable to perform request - DFHCSD data set is invalid.  
*Explanation:* This message will occur during initialization when CICS tries to open the CSD file (DFHCSD) and finds that it has an incorrect maximum record size. The CSD file should be defined with a specific maximum record size as described in the CICS System Definition Guide. Also, if the CSD data set is dynamically allocated to a running CICS system with an incorrect record size, i.e. one that is too small, CICS will fail to open it and any changes made using CEDA will not be permitted.  
*System action:* CICS terminates.  
*User response:* Ensure that you have defined the DFHCSD file as described in the CICS System Definition Guide.  
*Module:* DFHAMP  
*XMEOUT Parameter:* applid  
*Destination:* Console and Terminal End User

**DFHAM48226S**  
*applid* Unable to perform request - CSD corrupted or not initialized.  
*Explanation:* During initialization, CICS finds a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD. The most likely cause of this error is an incorrectly coded CSDACC parameter in the SIT entry for DFHCSD.  
*System action:* CICS terminates.  
*User response:* Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.  
*Module:* DFHAMP  
*XMEOUT Parameter:* applid  
*Destination:* Console and Terminal End User

**DFHAM4824S**  
*applid* Unable to perform request - Insufficient function in file definition for DFHCSD.  
*Explanation:* During initialization, CICS has found a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD.  
*System action:* CICS terminates.  
*User response:* Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.  
*Module:* DFHAMP  
*XMEOUT Parameter:* applid  
*Destination:* Console and Terminal End User

**DFHAM4825S**  
*applid* Unable to perform request - File Control has returned an INVREQ response.  
*Explanation:* The file control file request handler (DFHFCFR) does not have sufficient function to support the CEDA command entered.  
*System action:* The CEDA command is ignored.  
*User response:* You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
*Module:* DFHAMP  
*XMEOUT Parameter:* applid  
*Destination:* Console and Terminal End User
**DFHAM4827S • DFHAM4833E**

**XMEOUT Parameter:** applid

**Destination:** Console and Terminal End User

---

**DFHAM4827S** applid Unable to perform request - DFHCSD could not be installed.

**Explanation:** During initialization, CICS finds a GRPLIST parameter in the system initialization table (SIT), but cannot access the CSD file because file control failed to install it.

**System action:** CICS terminates.

**User response:** Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file. Assemble a new SIT as necessary.

**Module:** DFHAMP

---

**DFHAM4828E** applid Group grpname not found.

**Explanation:** The group name grpname in the command could not be found.

**System action:** The command is ignored.

**User response:** Retry the command with a group name that exists.

**Module:** DFHAMP

---

**DFHAM4829S** applid Storage violation. CSD primary control record not updated.

**Explanation:** The in-store version of the CSD primary record was corrupted.

**System action:** The version on the CSD was not updated and is not necessarily affected.

**User response:** None.

**Module:** DFHAMP

---

**DFHAM4830E** applid restype resname already exists in the target group.

**Explanation:** The COPY operation could not be performed, as a duplicate has been found in the target group.

**System action:** The COPY command is ignored.

**User response:** Reenter the command with the

**Module:** DFHAMP

---

**DFHAM4831E** applid The new name name is longer than the four characters allowed for restype names.

**Explanation:** The specified name name is invalid because it is longer than four characters.

**System action:** The command is ignored.

**User response:** Enter a valid name.

**Module:** DFHAMP

---

**DFHAM4832E** applid Unable to open TDQUEUE tdqname because the DFHINTRA data set is not open.

**Explanation:** An attempt to install the transient data queue tdqname on the CICS system has been rejected because the DFHINTRA data set is not open.

**System action:** Processing continues. The definition is not installed.

**User response:** It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.

**Module:** DFHAMP

---

**DFHAM4833E** applid A security error has occurred while attempting to install TDQUEUE tdqname. The definition has not been installed.

**Explanation:** An attempt to install the transient data queue tdqname on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.

**System action:** Processing continues. The definition is not installed.

**User response:** Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.

**Module:** DFHAMP
Destination: Console and Terminal End User

DFHAM4834 E applid Install of {TDQUEUE | PROCESSTYPE | LIBRARY | URIMAP | ATOMSERVICE} resourcename failed because the installed definition is not disabled.

Explanation: An attempt to install the resource resourcename on the CICS system has failed because the resource is not disabled.

System action: Processing continues. The definition is not installed.

User response: The specified resource must be disabled before it can be installed. Ensure that the resource is in the required state and then install the new definition.

Module: DFHAMP

XMEOUT Parameters: applid, {1=TDQUEUE, 2=PROCESSTYPE, 5=LIBRARY, 10=URIMAP, 11=ATOMSERVICE}, resourcename

Destination: Console and Terminal End User

DFHAM4835 E applid Install of TDQUEUE tdqname failed because the queue has already been defined to the system, and initialization is still in progress.

Explanation: An attempt to install the transient data queue tdqname on the CICS system has failed because the queue has already been defined to the system and initialization has not completed.

It is not possible to replace a TD resource definition while CICS is still initializing. This problem only occurs during a cold or initial start of the system where more than one group is being installed as part of GRPLIST processing.

System action: Processing continues. The definition is not installed.

User response: Remove the duplicate resource definition so that the failure does not recur on a subsequent cold or initial start.

Module: DFHAMP

XMEOUT Parameters: applid, tdqname

Destination: Console and Terminal End User

DFHAM4836E applid Install of DB2ENTRY db2entry-name failed because an existing definition could not be deleted. The existing definition is not disabled.

Explanation: An attempt to install the DB2ENTRY db2entry-name on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

System action: Processing continues. The definition is not installed.

User response: Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

Module: DFHAMP

XMEOUT Parameters: applid, db2entry-name

Destination: Console and Terminal End User

DFHAM4837E applid Install of DB2ENTRY | DB2TRAN | name failed because a DB2CONN is not installed.

Explanation: An attempt to install the DB2ENTRY or DB2TRAN name on the CICS system failed because there is no DB2CONN installed. DB2TRANs and DB2ENTRYs can be installed only after a DB2CONN has been installed.

System action: Processing continues. The definition is not installed.

User response: Install a DB2CONN definition and then retry the install of the DB2ENTRY or DB2TRAN.

Module: DFHAMP

XMEOUT Parameters: applid, {1=DB2ENTRY, 2=DB2TRAN}, name

Destination: Console and Terminal End User

DFHAM4838E applid Install of DB2ENTRY db2entry-name failed because a DB2CONN is already installed and is in use.

Explanation: An attempt to install the DB2CONN db2entry-name on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.

System action: Processing continues. The definition is not installed.

User response: Only one DB2CONN can be installed on the CICS system at a time. The install of a second DB2CONN implies the discarding of the first DB2CONN and all its associated DB2ENTRYs and DB2TRANs.

A DB2CONN definition can be replaced or discarded only when it is not in use by the CICS-DB2 adapter. Ensure that the CICS-DB2 interface has been stopped before trying to install a DB2CONN definition.

Module: DFHAMP

XMEOUT Parameters: applid, db2conn-name

Destination: Console and Terminal End User

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DFHAM4839E  applid List listname not found.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot find the list listname in the CSD file.

System action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User response: Enter a valid list name.

If no suitable user-defined list exists, you can initialize a minimum-function system with GRPLIST=DFHLIST, then use the CEDA transaction to review and correct the faulty list, to install the required group, and to rebuild a suitable list. Finally, cancel CICS, correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Module: DFHAMP

XMEOUT Parameters: applid, listname

Destination: Console and Terminal End User

DFHAM4840W  applid Group grpname not appended - group already exists in target list.

Explanation: The group grpname already exists in the target list.

System action: The group definition is not appended.

User response: None.

Module: DFHAMP

Destination: Terminal End User

DFHAM4841E  applid Install failed because definition of restype resname is in use by task no. taskno (transaction id. tranid).

Explanation: An attempt was made to install object definition restype resname on the CICS system, but the installation failed because a read lock was held on that definition by task taskno.

System action: No definitions have been installed.

User response: Try the command again later.

Module: DFHAMP

XMEOUT Parameters: applid, restype,resname, taskno, tranid

Destination: Console and Terminal End User

DFHAM4842E  applid Install failed because restype resname is currently in use.

Explanation: An attempt was made to install object definition restype resname on the CICS system, but the installation failed because the object was in use.

System action: No definitions have been installed.

User response: Try the command again later.

Module: DFHAMP

Destination: Terminal End User

DFHAM4843 W  applid GROUP/LIST name is internally locked to OPID opid APPLID applid.

Explanation: The identified GROUP or LIST name is internally locked to operator opid on CICS system applid when an attempt to install the GROUP or LIST occurred. This could occur at a cold or initial start when the CSD is shared between several CICS regions and operations on that group or list are incomplete.

System action: The installation continues.

User response: Check that the installed definitions correspond to your requirements.

Module: DFHAMP

XMEOUT Parameters: applid, GROUP/LIST, name, opid, applid

Destination: Console and Terminal End User

DFHAM4844W  applid restype1 resname1 in group grpname1 has the same name as a restype later in group grpname2.

Explanation: The CHECK command encountered a duplicate object name.

System action: None in the CHECK command, but errors may occur if that definition is installed and used.

User response: Determine why the duplicate condition exists and rectify it if necessary.

Module: DFHAMP

Destination: Terminal End User

DFHAM4845W  applid restype1 resname1 referenced by restype2 resname2 in group grpname cannot be found.

Explanation: The CHECK command found a reference in a transaction definition to an object definition that does not exist.

System action: None in the CHECK command, but errors may occur if that definition is installed and used.

User response: Determine why the object definition cannot be found and rectify it if necessary.

Module: DFHAMP

Destination: Terminal End User
DFHAM4846W  applid The xxxxxxx of transaction tranid1 in group grpname duplicates that of transaction tranid2 in group grpname.

Explanation: The CHECK command found a transaction definition with the same alias as another transaction.

System action: No system action occurs for the CHECK command. However, errors may occur if that definition is installed and used.

User response: Determine why the duplicate situation occurs and rectify it if necessary.

Module: DFHAMP

Destination: Terminal End User

DFHAM4847W  applid RELOAD(YES) has been specified for non-RPG program progname referenced by transaction tranid in group grpname.

Explanation: The CHECK command found a transaction definition that referenced a non-RPG II program for which RELOAD=YES was specified.

System action: If the definition is installed, CICS will not release storage for the first program invoked by a transaction unless the language is RPG II.

User response: Specify RELOAD (NO).

Module: DFHAMP

Destination: Terminal End User

DFHAM4848W  applid Program progname in group grpname specifies language RPG which is not supported on CICS.

Explanation: The CHECK command, executing under CICS Transaction Server for z/OS encountered an RPG II program definition. RPG II is not supported on CICS.

System action: If the definition is installed, the program language is overwritten.

User response: Change the language as appropriate.

Module: DFHAMP

Destination: Terminal End User

DFHAM4849W  applid NETNAME netname of {CONNECTION | TERMINAL} rsrcname1 in group grpname1 duplicates that of {CONNECTION | TERMINAL} rsrcname2 in group grpname2.

Explanation: The CHECK command found a connection or terminal definition with a NETNAME that is the same as the NETNAME defined in another connection or terminal definition.

System action: None in the CHECK command.

However, it is not possible to install two terminals or a terminal and a connection with the same NETNAME. Also, you cannot have two or more APPC links with the same NETNAME, an APPC link and an LUTYPE6.1 link with the same NETNAME or two or more IRC connections with the same NETNAME.

User response: Determine why the duplication exists and rectify the problem.

Module: DFHAMP

Destination: Terminal End User

DFHAM4850E  applid Install of DB2TRAN db2tran-name failed because DB2ENTRY db2entry-name to which it refers has not been installed.

Explanation: An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because the DB2ENTRY to which it refers, db2entry-name, has not been installed.

System action: Processing continues. The definition is not installed.

User response: Ensure that the name of DB2ENTRY in the DB2TRAN definition is correct. Install the necessary DB2ENTRY definition first then retry the install of the DB2TRAN.

Module: DFHAMP

XMEOUT Parameters: applid, db2tran-name, db2entry-name

Destination: Console and Terminal End User

DFHAM4851E  applid Install of { DB2ENTRY | DB2TRAN | DB2CONN | LIBRARY | ATOMSERVICE }name failed because of a security error.

Explanation: An attempt to install the ATOMSERVICE, DB2CONN, DB2ENTRY, DB2TRAN, or LIBRARY name on the CICS system has been rejected because of an error encountered while performing a security check.

System action: Processing continues. The definition is not installed.

User response: See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.

Module: DFHAMP

XMEOUT Parameters: applid, {1=DB2ENTRY, 2=DB2TRAN, 3= DB2CONN, 5= LIBRARY, 11= ATOMSERVICE }, name

Destination: Console and Terminal End User
DFHAM4852W  applid restype name resname begins
with 'DFH'. Such names are reserved
and may be redefined by CICS.

Explanation: A name beginning with DFH was
specified.

System action: If the definition is installed, errors may
occur.

User response: Names beginning with “DFH” are
reserved and may be redefined by CICS. You should
avoid starting names with “DFH”.

Module: DFHAMP
Destination: Terminal End User

DFHAM4855W  applid DVSUPRT(VTAM) must be
specified for PROFILE profname
referenced by transaction tranid in group
grpname.

Explanation: The CHECK command found a
definition for a CICS-supplied transaction tranid
without DVSUPRT(VTAM) specified in profile
profname.

System action: Unpredictable results occur if the
definition is installed and used.

User response: Specify DVSUPRT(VTAM).

Module: DFHAMP
Note: VTAM is now z/OS Communications Server.

Destination: Terminal End User

DFHAM4853E  applid Install of DB2TRAN
db2tran-name failed because another
DB2TRAN is installed with the same
transid.

Explanation: An attempt to install the DB2TRAN
db2tran-name on the CICS system has failed because
there is an another DB2TRAN installed that specifies
the same transid. You cannot install two DB2TRANs
that specify the same transid.

System action: Processing continues. The definition is
not installed.

User response: Examine the installed DB2TRAN
definitions using inquire DB2TRAN commands to
determine the name of the DB2TRAN specifying the
same transid. If appropriate, discard that DB2TRAN
and then reinstall this DB2TRAN.

Module: DFHAMP
XMOEOUT Parameters: applid, db2tran-name
Destination: Console and Terminal End User

DFHAM4856W  applid INBFMH(ALL) must be
specified for PROFILE profname
referenced by transaction tranid in group
grpname.

Explanation: The CHECK command found a
definition for a CICS-supplied transaction tranid
without INBFMH(ALL) specified in profile profname.

System action: The system abnormally terminates
with abend code AXFO if the definition is installed and
used.

User response: Specify INBFMH(ALL).

Module: DFHAMP
Destination: Terminal End User

DFHAM4857W  applid The specified {GROUP | LIST}
contains objtype objects but no restype
found.

Explanation: The specified GROUP or LIST contains
objects that need a resource type of restype but no such
resource type is listed in the GROUP or LIST.

System action: Processing continues.

User response: This may not be an error, but ensure
that the resource type restype is installed before
installing the GROUP or LIST.

Module: DFHAMP
Destination: Terminal End User

DFHAM4858S  applid Unable to perform request -
DFHCSD not enabled.

Explanation: The system initialization table (SIT) used
for CICS initialization contains a GRPLIST parameter,
but CICS cannot use the CSD file because it is disabled.

System action: CICS terminates.

User response: If you want to use the CSD file, check
the system initialization parameters for DFHCSD and
your JCL before the next CICS initialization.

Module: DFHAMP
DFHAM4859S  applid Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.

Explanation: Insufficient VSAM strings are available to allow CEDA to proceed.

System action: No CEDA commands may be executed.

User response: Wait until other CEDA users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent CEDA transactions in the SIT.

Module: DFHAMP

DFHAM4860W  applid The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

Explanation: The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

System action: Processing continues.

User response: A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be successfully installed. Ensure a DB2CONN definition is placed in a group before all DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

Module: DFHAMP

DFHAM4861W  applid XTRANID of transaction tranid in group grpname duplicates XTRANID of transaction tranid in group grpname.

Explanation: The check command found a transaction tranid in group grpname whose XTRANID duplicated a previous transaction ID.

System action: No system action occurs for the CHECK command. However, the first transaction in the message is ignored if the definitions are installed.

User response: Determine why the duplication exists and rectify the problem.

Module: DFHAMP

DFHAM4863I  applid name is now locked. No group or list of that name exists.

Explanation: The LOCK command executed successfully, but no group or list of name name was found on the CSD file.

System action: The name is locked.

User response: None.

Module: DFHAMP

DFHAM4864S  applid Unable to perform operation - DFHCSD cannot be opened.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file for one of the following reasons
1. The startup JCL does not contain the definition of the CSD file (DFHCSD).
2. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
3. VSAM has diagnosed that the CSD file cannot be opened.
4. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

System action: CICS terminates.

User response: The action to solve the problem depends on the cause as follows
1. Correct the JCL.
2. Correct the JCL.
3. Check the system operator’s console for VSAM messages, and correct all VSAM errors.
4. Increase the size limit of the DSAs or EDSAs.

Module: DFHAMP

XMEOUT Parameter: applid
**DFHAM4865S**  
**Destination:** Console and Terminal End User

**DFHAM4865S applid Unable to perform operation - DFHCSD currently accessed by another user.**

**Explanation:** The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter. However, CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with SHAREOPTIONS(1).  

**System action:** CICS terminates.  

**User response:** To avoid a recurrence of this problem, recreate the CSD file specifying SHAREOPTIONS(2). See the CICS System Definition Guide for further details.

**Module:** DFHAMP  

**DFHAM4866E applid Unable to perform operation: name is IBM protected.**

**Explanation:** The user has attempted to change the contents of a group or list whose name begins with “DFH”. These are IBM-protected.

**System action:** The command is not executed.

**User response:** You can copy from IBM-supplied groups or lists and change the copied group or list.

**Module:** DFHAMP  

**DFHAM4867E applid File name DFHCSD is reserved and must not be modified.**

**Explanation:** You cannot define the CSD on the CSD itself.

**System action:** The command is not executed.

**User response:** Define DFHCSD via SIT options.

**Module:** DFHAMP  

**DFHAM4868 W applid The LSRPOOLNUM of the LSRPOOL lsrname in group grpname duplicates that of LSRPOOL lsrname in group grpname.**

**Explanation:** When invoking the CEDA CHECK command, an LSRPOOL definition lsrname in group grpname was found which duplicated the LSRPOOLNUM of another LSRPOOL.

**System action:** Processing continues.

**User response:** Determine why the duplication exists and rectify the problem.

**Module:** DFHAMP  

**DFHAM4869E applid Install failed for program progname - language RPG is not supported under MVS.**

**Explanation:** The GRPLIST parameter of the system initialization table (SIT) names a list in which a group contains a program progname that was defined with LANGUAGE(RPG).

**System action:** CICS initialization continues. The definition in error is ignored.

**User response:** Redefine program progname with the correct LANGUAGE definition.

**Module:** DFHAMP  

**DFHAM4870E applid Unable to connect to CICS catalog.**

**Explanation:** DFHAMP was unable to connect to the CICS catalog for terminal installs.

**System action:** CICS terminates.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem
**DFHAM4873S** • **DFHAM4878E**

- **User response**: Try the command again.
- **Module**: DFHAMP
- **Destination**: Terminal End User

**DFHAM4876W** *applid PARTNER partnername specifies NETNAME netname which is not found in any CONNECTION definition that specifies access method = VTAM (now z/OS Communications Server).*

- **Explanation**: There is no z/OS Communications Server connection within the current group for the netname referenced in the specified partner.
- **System action**: Other processing continues.
- **User response**: None.
- **Module**: DFHAMP
- **Destination**: Terminal End User

**DFHAM4877W** *applid PARTNER partnername specifies a NETNAME and PROFILE for which there is no common implied SESSIONs definition.*

- **Explanation**: The netname in a partner definition implies an associated connection definition which is in turn associated with a session definition. The profile definition referenced in a partner definition specifies a modename which can be associated with a sessions definition. Within the current group, there is no common sessions definition implied by the specified partner definition.
- **System action**: Other processing continues.
- **User response**: None.
- **Module**: DFHAMP
- **Destination**: Terminal End User

**DFHAM4878E** *applid Install of {IPCONN} resourcename failed because one with this name is already installed and is in use.*

- **Explanation**: An attempt to install the resource specified, resourcename, on the CICS system has failed because there is already an existing resource of this name installed and in use.
- **System action**: Processing continues. The definition is not installed.
- **User response**: The specified resource definition can be replaced or discarded only when it is out of service. Put the resource out of service before attempting to re-install it.
- **Module**: DFHAMP
- **XMEOUT Parameters**: applid, [9=IPCONN], resourcename
- **Destination**: Console and Terminal End User
DFHAM4879W  applid (GROUP | LIST) name has been partially installed.

Explanation: During the execution of an INSTALL command for the group or list name, some of the elements in the group or list installed successfully, but at least one failed.

System action: Messages are produced indicating why the element or elements failed to install.

User response: Use the messages already produced to determine why the install failed and to rectify the problem.

Module: DFHAMP

Destination: Terminal End User

DFHAM4880S  applid Unable to perform operation - not allowed by file attributes for DFHCSGD.

Explanation: The CSDACC parameter in the system initialization table for DFHCSGD does not allow CEDA to complete the command entered. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following
READWRITE
READONLY

In order for a particular command to function, the access must be set appropriately.

System action: The CEDA command is ignored.

User response: Correct the CSDACC parameter in the SIT. The DFHCSGD is defined in the bringup JCL and/or in the SIT.

Module: DFHAMP

XMEOUT Parameter: applid

Destination: Console and Terminal End User

DFHAM4881I  applid Group name deleted.

Explanation: The Group grpname has been deleted from the CSD.

System action: Processing continues.

User response: Check that the deleted group is not present on any list.

Module: DFHAMP

Destination: Terminal End User

DFHAM4882W  applid The (TPNAME | XTPNAME) of transaction tranid in group grpname duplicates the (TPNAME | XTPNAME) of transaction tranid in group grpname.

Explanation: The CHECK command found a transaction whose XTPNAME matches the TPNAME of another transaction.

System action: No system action occurs for the CHECK command, but the XTPNAME or TPNAME for the first transaction in the message is ignored if the definitions are installed.

User response: Determine why the duplication exists. To rectify the problem, rename either the TPNAME or the XTPNAME.

Module: DFHAMP

Destination: Terminal End User

DFHAM4883I  applid List listname deleted.

Explanation: The List listname has been deleted from the CSD.

System action: Processing continues.

User response: Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

Module: DFHAMP

Destination: Terminal End User

DFHAM4884S  applid resname name resname is reserved by CICS.

Explanation: The name resname you have selected for resource type restype is reserved by CICS and cannot be user defined.

System action: The command is rejected.

User response: Redefine resname and resubmit the command.

Module: DFHAMP

Destination: Terminal End User

DFHAM4885E  applid Install of IPCONN resourcename failed. Duplicate applid applid found.

Explanation: IPCONN resource resourcename was being installed but was found to have the same applid applid as an IPCONN which is already installed.

System action: The resource is not installed; CICS continues.

User response: If you want the definitions to be installed, use CEDA to correct the applid on this IPCONN and then reinstall the definition.

Module: DFHAMP
XMEOUT Parameters: applid, resourcename, applid
Destination: Console and Terminal End User

DFHAM4886I  applid Installing list listname which matches specified generic list genlist.
Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name genlist that contains generic characters. While searching the CSD file, the list name listname was found to match the specified generic list.
System action: The list name listname is installed.
User response: None.
Module: DFHAMP

DFHAM4887I  applid Unrecognized resource type found in the CSD file and has been ignored.
Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:
1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.
System action: The resource is ignored and the operation continues.
User response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.
Take action corresponding to the reason you have established as follows:
1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHAMP

DFHAM4888I  applid Group groupname removed from list listname.
Explanation: During the execution of a DELETE command, the group groupname was deleted from the CSD. As a result of that, the list listname was updated to remove the deleted group from it.
System action: Processing continues.
User response: None.
Module: DFHAMP

DFHAM4889E  applid Install of {JOURNALMODEL | TSMODEL | TCPIPSERVICE | CORBASERVER | IPCONN | URIMAP} resourcename failed because attribute attname is invalid.
Explanation: An attempt to install the JOURNALMODEL, TSMODEL, TCPIPSERVICE, CORBASERVER, IPCONN, or URIMAP named resourcename on the CICS system failed because the attribute attname specified is not valid. If the attribute is CERTIFICATE, this may be due to one of the following reasons:
• The specified certificate does not exist
• The specified certificate is not properly constructed
• The specified certificate does not have an associated private key
• The specified certificate is not connected to the key ring with a correct USAGE.
System action: The definition is not installed.
User response: Correct the invalid parameter of the resource definition.
Module: DFHAMP

DFHAM4890E  applid Install of TDQUEUE tdqname failed because the TYPE has not been specified.
Explanation: An attempt to install the named TDQUEUE tdqname on the local CICS system failed because it has been defined with the REMOTESYSTEM attribute and the TYPE cannot be determined.
System action: The definition is not installed.
User response: Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.
Module: DFHAMP
DFHAM4891W  DFHAM4896E

XMEOUT Parameters: applid, tdqname
Destination: Console and Terminal End User

Explanation: A resource name starting with C was specified. Names starting with C are reserved and may be redefined by CICS.

System action: If the definition is installed, errors may occur.
User response: Specify a different resource name.
Module: DFHAMP
Destination: Terminal End User

DFHAM4892W  date time applid Install for group grpname has completed with errors.

Explanation: The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.

System action: CICS continues. CICS issues messages identifying the cause of each installation failure.
User response: Use the associated messages, available via the messages panel if CEDA is being used, or issued to transient data queues CSMT and CADL during system startup, to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.
Module: DFHAMP

DFHAM4893I  date time applid Install for group grpname has completed successfully.

Explanation: The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.

System action: CICS continues
User response: None
Module: DFHAMP

DFHAM4894E  applid Install of [ENQMODEL] rscrename1 failed because installed [ENQMODEL] rscrename2 is not disabled.

Explanation: An attempt to install the resource rscrename1 on the CICS system has failed because the resource rscrename2 is already installed and is not disabled.

System action: Processing continues. The definition is not installed.
User response: Resource rscrename2 must be disabled or discarded before resource rscrename1 can be installed. Ensure that resource rscrename2 is in the required state and then install the new definition.
Module: DFHAMP

DFHAM4895E  applid Install of TSMODEL resource_name in group groupname failed because TS was started using an assembled TST without the MIGRATE option.

Explanation: An attempt to install the TSMODEL resource_name in group groupname on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.

System action: Processing continues. The definition is not installed.
User response: If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the TYPE=(INITIAL,MIGRATE) option or don't specify a TST in your SIT parameters.
Module: DFHAMP

DFHAM4896E  applid Install of TDQUEUE tdqname failed because the queue is not closed.

Explanation: An attempt to install the transient data queue tdqname on the CICS system has failed because the data set associated with this extrapartition TD queue is not closed.

System action: Processing continues. The definition is not installed.
User response: Intrapartition queues must be disabled, and extrapartition queues must be disabled and closed before they can be redefined. Ensure that the queue is in the required state and then install the new definition.
Module: DFHAMP
XMEOUT Parameters: applid, tdqname
Destination: Console and Terminal End User

**DFHAM4897W** applid The definition of (TDQUEUE | TCPIPSERVICE) resourcename specified (OPENTIME=INITIAL | STATUS=OPEN) but the open failed.

Explanation: An attempt to install the resource resourcename on the CICS system has succeeded but the resource cannot be opened.

System action: The definition is installed.

User response: Determine the cause of the failure and then open the resource.

Module: DFHAMP

XMEOUT Parameters: applid, {1=TDQUEUE, 7=TCPIPSERVICE}, resourcename,{1=OPENTIME=INITIAL, 7=STATUS=OPEN}
Destination: Console and Terminal End User

**DFHAM4898 E** applid Installation of (TDQUEUE | PROCESSTYPE | LIBRARY | ATOMSERVICE) resourcename failed because of insufficient storage.

Explanation: An attempt to install the resource resourcename on the CICS system has failed because insufficient storage is available to build the entry.

System action: The definition is not installed.

User response: Inform your system programmer. See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Module: DFHAMP

XMEOUT Parameters: applid, {1=TDQUEUE, 2=PROCESSTYPE, 5=LIBRARY, 11=ATOMSERVICE}, resourcename
Destination: Console and Terminal End User

**DFHAM4899E** applid TDQUEUE tdqname cannot be replaced because the existing definition is for a different queue type.

Explanation: An attempt to install the transient data queue tdqname on the CICS system failed because its definition type is different from that of the definition already defined to the system.

System action: The definition is not installed.

User response: Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.

Module: DFHAMP

**DFHAM4901E** applid Install of REQUESTMODEL resourcename1 failed because a duplicate pattern already exists in resourcename2.

Explanation: An attempt to install the resource resourcename1 on the CICS system has failed because a duplicate pattern has been found in resourcename2.

System action: The definition is not installed.

User response: Verify the patterns being installed for resource resourcename1 against those for resourcename2 before re-trying the install.

Module: DFHAMOP

XMEOUT Parameters: applid, resourcename1, resourcename2
Destination: Console and Terminal End User

**DFHAM4902E** applid Install of (CORBASERVER | REQUESTMODEL) resourcename failed because it is not a valid (CORBASERVER | REQUESTMODEL) for this level of CICS.

Explanation: An attempt to install the resource resourcename on this CICS system has failed because it did not contain the attributes required for the current level of CICS. If the resource being defined was a REQUESTMODEL, the error is that the corbaserver name was blank. Having a blank corbaserver name indicates that the requestmodel is not at the correct level for this CICS system. If the resource being defined was a CORBASERVER, the error is that the UNAUTH tcpipsservice name, which is mandatory for this level of CICS, was missing from the definition.

System action: The definition of resource resourcename is not installed.

User response: Ensure that you are using the correct level CSD or redefine the resource resourcename using the new attributes as required.

Module: DFHAMOP, DFHAMEJ

XMEOUT Parameters: applid, {1=CORBASERVER, 2=REQUESTMODEL}, resourcename, {1=CORBASERVER, 2=REQUESTMODEL}
Destination: Console and Terminal End User

**DFHAM4903E** applid Install for TCPIPSERVICE tcpipsservice has failed because the service is open.

Explanation: The install of TCPIPSERVICE tcpipsservice has failed because the service is open.

System action: The install fails.
DFHAM4904W • DFHAM4909E

User response: Close the service and retry the install.
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice
Destination: Console and Terminal End User

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DFHAM4904W applid Opening TCP/IPSERVICE

tcpipservice has failed because port portno is already in use.

Explanation: Opening TCP/IPSERVICE tcpipservice has failed because the specified port number is in use.
System action: The resource is installed but left in the closed state. Message DFHSO0109 is issued to the transient data queue CSOO.
User response: Check that the port number specified is not already in use. Refer to the description of the message DFHSO0109 for more information.
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice, portno
Destination: Console and Terminal End User

---

DFHAM4905E applid Install failed for resource, Option opt is not available on this system.

Explanation: The install of the resource resource has failed because the current CICS system has not been configured to support the specified option opt.
System action: The install fails.
User response: Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.
Module: DFHAM
XMEOUT Parameters: applid, resource, opt
Destination: Console and Terminal End User

---

DFHAM4906W applid Opening TCP/IPSERVICE

tcpipservice has failed because port portno is not authorized.

Explanation: Opening TCP/IPSERVICE tcpipservice has failed because the specified port number is not authorized.
System action: The resource is installed and left in the closed state. The message DFHSO0110 is written to the transient data queue CSOO.
User response: Select a port that is authorized. See the description of message DFHSO0110 for more information.
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice, portno
Destination: Console and Terminal End User

---

DFHAM4907 W applid Opening TCP/IPSERVICE
tcpipservice has failed because the {IP address | host} is not known.

Explanation: Opening TCP/IPSERVICE tcpipservice has failed because either the specified IP address or the specified host is not known. If an IPv6 address is being used either explicitly or because the specified host resolves to an IPv6 address, the open will fail if the TCP/IP stack does not support IPv6.
System action: The resource is installed but left in the closed state. The message DFHSO0110 is written to the transient data queue CSOO.
User response: Check that the TCP/IP stack supports the type of IP address being used and also ensure that the host or IP address is known.
If IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack.
Refer to the description of message DFHSO0110 for more information.
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice, {1=IP address, 2=host}
Destination: Console and Terminal End User

---

DFHAM4908E applid Install of DOCTEMPLATE
doctemplate1 failed because TEMPLATENAME(template) already exists in DOCTEMPLATE doctemplate2.

Explanation: The install of DOCTEMPLATE doctemplate1 has failed because the TEMPLATENAME selected is already in use as the full template name for document template doctemplate2.
System action: The install fails.
User response: Either select a different TEMPLATENAME for doctemplate1, or discard the document template definition for doctemplate2.
Module: DFHAM
XMEOUT Parameters: applid, doctemplate1, template, doctemplate2
Destination: Console and Terminal End User

---

DFHAM4909E applid Install of DOCTEMPLATE
doctemplate failed. DDNAME(ddname) not found.

Explanation: The install of DOCTEMPLATE doctemplate has failed because the DDNAME(ddname) selected is not the name of a Data Definition statement.
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice, portno
Destination: Console and Terminal End User
for a partitioned data set in the JCL for the current CICS job. ddname should be allocated to a PDS containing document templates to be used by the Document Handler domain.

**System action:** The install fails.

**User response:** Either select a DDNAME that does exist in the JCL for the current CICS job, or stop and restart CICS with the required DD statement added.

**Module:** DFHAMDH

**XMEOUT Parameters:** applid, doctemplate, ddname

**Destination:** Console and Terminal End User

----

DFHAM4910E  applid Install of DOCTEMPLATE doctemplate failed.
MEMBER(membername) not found in ddname.

**Explanation:** The install of DOCTEMPLATE doctemplate has failed because member membername was not found in any of the partitioned data sets specified in the ddname concatenation.

**System action:** The install fails.

**User response:** Ensure that member membername exists in one of the template libraries specified before installing the DOCTEMPLATE that references it.

**Module:** DFHAMDH

**XMEOUT Parameters:** applid, doctemplate, membername, ddname

**Destination:** Console and Terminal End User

----

DFHAM4911W  applid Transaction tranid installed but at least one of ALIAS, TASKREQ or XTRANID failed to be replaced because it exists as a primary transaction.

**Explanation:** Transaction tranid was successfully installed but at least one of the specified aliases (ALIAS, TASKREQ or XTRANID) failed to be installed because it exists as a primary transaction and includes the current transaction.

**System action:** The resource is installed but the alias is not.

**User response:** Find out which of the aliases is conflicting with a primary transaction id and change its name.

**Module:** DFHAM

**XMEOUT Parameters:** applid, tranid

**Destination:** Console and Terminal End User

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DFHAM4914E  applid Install of resourcetype resourcename failed. The specified targetresource is unusable.

**Explanation:** Resource resourcename cannot be installed because the target resource targetresource with which it is associated is not usable.

**System action:** The resource is not installed.

**User response:** Discover why the target resource is not usable. It may not exist, or may not have been defined before it is being used. Create or define the referenced target resource.

**Module:** DFHAM

**XMEOUT Parameters:** applid, resourcetype, resourcename, targetresource
DFHAM4915E • DFHAM4920 E

**Destination:** Console Routecodes 2 and 10 and Terminal End User

**DFHAM4915E**  
*applid* Install of *resourcetype*  
*resourcename* failed. Open for data set *dsname* has abended.

**Explanation:** Resource *resourcename* cannot be installed because an abend occurred when opening the data set *dsname* that contains it.

**System action:** The resource is not installed.

**User response:** Look for an earlier IEC143I, IEC144I, IEC145I, IEC148I, IEC150I, or IEC153I message that explains why the data set could not be opened. Correct whatever problem is described in the related message.

**Module:** DFHAMP

**XMEOUT Parameters:** *applid, resourcetype, resourcename, dsname*

**Destination:** Console Routecodes 2 and 10 and Terminal End User

**DFHAM4916E**  
*applid* TCPIPSERVICE *tcpipservice* has not been opened because the MAXSOCKETS limit has been reached.

**Explanation:** TCPIPSERVICE *tcpipservice* has not been opened because the number of active sockets in the system is equal to the current MAXSOCKETS value.

**System action:** The resource is installed but left in the closed state.

**User response:** Determine whether your MAXSOCKETS setting is adequate to handle normal system loads. If it is, then this may be a transient condition caused by a peak in work that uses sockets, and you may be able to use CEMT to open the TCPIPSERVICE once the workload diminishes. If not, use CEMT SET SYSTEM to increase the number of sockets in the system.

**Module:** DFHAMP

**XMEOUT Parameters:** *applid, tcpipservice*

**Destination:** Console and Terminal End User

**DFHAM4917W**  
*applid* CORBASERVER | TCPIPSERVICE | IPCONN | URIMAP  
*resourcename* was installed with a reduced set of CIPHER codes.

**Explanation:** The specified resource *resourcename* was installed but the the set of cipher codes which the resource was originally defined with has been reduced at install time because the running system did not support all of the ciphers specified.

**System action:** The resource is installed with a reduced set of cipher codes.

**Module:** DFHAMP

**XMEOUT Parameters:** *applid, {1=CORBASERVER, 2=DJAR, 3=PIPELINE, 4=WEBSERVICE, 5=LIBRARY, 6=BUNDLE, 7=JVMSERVER}, resourcename*

**Destination:** Console and Terminal End User

**DFHAM4918E**  
The installation of {CORBASERVER | TCPIPSERVICE | IPCONN | URIMAP} *resourcename* has failed because its requested CIPHER list was rejected.

**Explanation:** Resource *resourcename* cannot be installed because all of the cipher codes specified for the resource have been rejected by the running system.

**System action:** The resource is not installed.

**User response:** Determine what your CIPHERS setting should be for the current MVS system.

**Module:** DFHAMP

**XMEOUT Parameters:** *applid, {1=CORBASERVER, 2=DJAR, 3=PIPELINE, 4=WEBSERVICE, 5=LIBRARY, 6=BUNDLE, 7=JVMSERVER}, resourcename*

**Destination:** Console and Terminal End User

**DFHAM4920 E**  
The installation of {CORBASERVER | DJAR | PIPELINE | WEBSERVICE | LIBRARY | BUNDLE | JVMSERVER} *resourcename* has failed because it is a duplicate of one that already exists.

**Explanation:** The installation of the specified resource *resourcename* has failed because a resource with this name already exists in your running CICS system.

**System action:** The resource is not installed.

**User response:** For some resources, it is not possible to do an update (add/replace). Select a different resource name which is not known to the system. Or, if you want to use the same resource name, you must discard the resource first. The resource may need to be disabled before it can be discarded or updated.

**Module:** DFHAMP

**XMEOUT Parameters:** *applid, {1=CORBASERVER, 2=DJAR, 3=PIPELINE, 4=WEBSERVICE, 5=LIBRARY, 6=BUNDLE, 7=JVMSERVER}, resourcename*

**Destination:** Console and Terminal End User
DFHAM4921E applid The installation of CORBASERVER cname has failed because the specified {CORBASERVER | STATE | SESSBEANTIME | CERTIFICATE | HOST | SHELF | JNDIPREFIX} is not valid.

Explanation: The installation of CORBASERVER cname has failed because the specified keyword value is not valid.

System action: The resource is not installed.

User response: Enter valid values for the specified keyword. Nulls are not accepted.

Module: DFHAMP

XMEOUT Parameters: applid, cname, 1=CORBASERVER, 2=STATE, 3=SESSBEANTIME, 4=CERTIFICATE, 5=HOST, 9=SHELF, 10=JNDIPREFIX

Destination: Console and Terminal End User

DFHAM4922E applid The installation of CORBASERVER | DJAR resourcename has failed because the EJ resource resolution transaction, CEJR, could not attach.

Explanation: The installation of CORBASERVER or DJAR resourcename has failed because the specified EJ resource could not be resolved as the resolution transaction, CEJR, failed to attach. The transaction may have been disabled manually to stop resolution, or it may not be defined to your CICS system.

System action: The resource is not installed.

User response: Ensure that the CEJR transaction is defined and installed on your CICS system and that the program DFHEJITL is also defined and available.

Module: DFHAMP

XMEOUT Parameters: applid, dname, 1=CORBASERVER, 2=STATE, 3=HFSFILE, 4=DJAR

Destination: Console and Terminal End User

DFHAM4923E applid The installation of DJAR dname has failed because the specified CORBASERVER cname does not exist.

Explanation: DJAR dname has not been installed successfully because the specified DJAR has been defined with a corbaserver which does not exist.

System action: The resource is not installed.

User response: Redefine the DJAR with a valid corbaserver name.

Module: DFHAMP

XMEOUT Parameters: applid, dname, cname

Destination: Console and Terminal End User

DFHAM4924E applid The installation of DJAR dname has failed because the specified {CORBASERVER | STATE | HFSFILE | DJAR} is not valid.

Explanation: DJAR dname has not been installed successfully because the specified DJAR has been defined with an invalid keyword.

System action: The resource is not installed.

User response: Redefine the DJAR with valid parameters. Null values are not accepted.

Module: DFHAMP

XMEOUT Parameters: applid, dname, 1=CORBASERVER, 2=STATE, 3=HFSFILE, 4=DJAR

Destination: Console and Terminal End User

DFHAM4925E applid The installation of CORBASERVER cname has failed because at least one of its associated tcpipservices has not been installed.

Explanation: The installation of CORBASERVER cname has failed because at least one of the TCPIPSERVICEs specified in the CORBASERVER definition has not been previously installed. When doing an individual install of a CORBASERVER, in order for the CORBASERVER to become inservice, the required TCPIPSERVICEs must already be available.

System action: The resource is not installed. Message DFHEJ0745, containing the TCPIPSERVICE name which is missing, is also written to the CEJL transient data queue.

User response: Ensure that the TCPIPSERVICEs specified for the UNAUTH, CLIENTCERT, and SSLUNAUTH parameters on the CORBASERVER definition are installed first before attempting to install the CORBASERVER.

Module: DFHAMP

XMEOUT Parameters: applid, cname

Destination: Console and Terminal End User

DFHAM4926E applid The installation of DJAR dname has failed because the specified CORBASERVER cname is not in a valid state.

Explanation: DJAR dname has not been installed successfully because the specified DJAR has been defined with a corbaserver which is in an unusable state. Valid STATE values would be anything other than UNUSABLE, UNRESOLVED or DISCARDING.

System action: The resource is not installed.

User response: Redefine the DJAR with a corbaserver
which is in the correct state. CEMT can be used to inquire on corbaserver STATE values.

Module: DFHAMP
XMEOUT Parameters: applid, dname,cname
Destination: Console and Terminal End User

DFHAM4927E applid The installation of
CORBASERVER | DJAR | resourcename
has failed because its HFSFILE is a
duplicate of one which already exists.

Explanation: The installation of the specified resource
resourcename has failed because the specified resource
resourcename has a duplicate HFSFILE name.

System action: The resource is not installed.
User response: Determine why the HFSFILE name is duplicated.

Module: DFHAMP
XMEOUT Parameters: applid, {1=CORBASERVER, 2= DJAR }, resourcename
Destination: Console and Terminal End User

DFHAM4928E applid Install of
TCPIPSERVICE | CORBASERVER | IPCONN | URIMAP|
resourcename failed because the specified
certificate (is expired | is not yet current | does not have a private key | is not trusted).

Explanation: Resource resourcename cannot be installed because the specified certificate is unusable. An explanatory phrase in the message describes why

is expired
The date and time at which the certificate is no longer valid has already passed.

is not yet current
The date and time at which the certificate is to become active has not yet been reached.

does not have a private key
The specified certificate does not have a private key. SSL with client authentication is only possible if you possess the private key associated with the certificate.

is not trusted
The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

System action: The resource is not installed.
User response: Specify a different HOST, PATH, or TCPIPSERVICE attribute.

Module: DFHAMP
XMEOUT Parameters: applid, urimap1,urimap2
Destination: Console and Terminal End User

DFHAM4930E applid URIMAP(urimap1) not installed
because it maps the same URI as
urimap2.

Explanation: URIMAP urimap1 cannot be installed because it will map the same HOST and PATH (and optional TCPIPSERVICE) as urimap2, which is already installed. Each URIMAP must map a unique combination of these parameters.

System action: The resource is not installed.
User response: Specify a different HOST, PATH, or TCPIPSERVICE attribute.

Module: DFHAMP
XMEOUT Parameters: applid, urimap1,urimap2
Destination: Console and Terminal End User

DFHAM4931E applid The installation of
WEBSERVICE resourcename failed
because the associated {WSBIND file | PIPELINE} does not exist.

Explanation: WEBSERVICE webservice cannot be installed because the associated PIPELINE cannot be found.

System action: The resource is not installed.
User response: Ensure that the PIPELINE definition is correct and the PIPELINE is installed.

Module: DFHAMP
XMEOUT Parameters: applid, resourcename, {2=WSBIND file, 3=PIPELINE}
Destination: Console and Terminal End User
DFHAM4932E  applid The installation of {PIPELINE | WEBSERVICE} resourcename failed because the [hfsfile | PIPELINE] setup was not correct.

Explanation:  WEBSERVICE webservice or PIPELINE pipeline cannot be installed because of setup errors. Either the hfsfile does not have the correct authorization or the PIPELINE mode is not correct.

System action:  The resource is not installed.

User response:  Ensure that the hfsfile definitions of the pipeline and webservice are correct.

Module:  DFHAMP

XMEOUT Parameters: applid, {3=PIPELINE, 4=WEBSERVICE}, resourcename,{2=hfsfile, 3=PIPELINE}

Destination:  Console and Terminal End User

DFHAM4933E  applid The installation of PIPELINE resourcename failed because the WSDIR file specified is not accessible.

Explanation:  PIPELINE pipeline cannot be installed because the WSDIR specified is not correct and therefore the directory cannot be accessed.

System action:  The resource is not installed.

User response:  Ensure that the hfsfile definitions of the WSDIR are correct, remembering that case is significant.

Module:  DFHAMP

XMEOUT Parameters: applid, resourcename

Destination:  Console and Terminal End User

DFHAM4934E  applid The installation of URIMAP resourcename failed because HOSTCODEPAGE hcodepage is not valid in combination with CHARSETSET charset.

Explanation:  The URIMAP resource resourcename cannot be installed because the specified attributes are inconsistent. Most inconsistencies are eliminated at resource definition time. However, for a URIMAP resource, the consistency between the value specified for the HOSTCODEPAGE attribute and that specified for the CHARSETSET attribute cannot be determined until install time.

System action:  The resource is not installed.

User response:  Check that the combination of CHARSETSET and HOSTCODEPAGE values specified for the URIMAP is supported by the CICS system on which you are attempting to install the resource resourcename.

Module:  DFHAMP

DFHAM4936E  applid The installation of BUNDLE resourcename failed because the manifest found in the bundle root directory was not valid.

Explanation:  The manifest found in the bundle root directory was not valid.

System action:  The resource is not installed.

User response:  Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

Module:  DFHAMP

XMEOUT Parameters: applid, {6=BUNDLE, 7=TCPIPSERVICE, 8=CORBASERVER, 9=IPCONN, 10=URIMAP}, resourcename

Destination:  Console and Terminal End User
DFHAM4937 E  DFHAM4942 E

System action: The resource is not installed.
User response: Ensure that the manifest in the bundle’s root directory is valid.
Module: DFHAMP
XMEOOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4937 E  applid The installation of BUNDLE resourcename failed because a manifest was not found in the bundle root directory.
Explanation: BUNDLE resourcename cannot be installed because a manifest was not found in the specified bundle root directory.
System action: The resource is not installed.
User response: Ensure that the root directory specified in the BUNDLEDIR is correct.
Module: DFHAMP
XMEOOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4938 W  applid BUNDLE resourcename has been installed as disabled because one or more of its associated resources failed to install.
Explanation: One or more of BUNDLE resourcename’s associated resources have failed to install properly.
System action: The resource is installed as disabled.
User response: Examine any error messages issued on the log to determine the cause of the installation failure of any associated resources.
Module: DFHAMP
XMEOOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4939 E  applid The installation of ATOMSERVICE resourcename failed due to a configuration error.
Explanation: ATOMSERVICE resourcename cannot be installed because it could not be configured successfully.
System action: The resource is not installed.
User response: Ensure that the CONFIGFILE defined for ATOMSERVICE resourcename is correct.
Module: DFHAMP
XMEOOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4940 E  applid Install of MQCONN mqconn-name failed because an MQCONN is already installed and is in use.
Explanation: An attempt to install the MQCONN mqconn-name on the CICS system has failed because there is an existing MQCONN installed and it is in use by the CICS-MQ adapter.
System action: Processing continues. The definition is not installed.
User response: Only one MQCONN can be installed on the CICS system at a time. The install of a second MQCONN implies the discarding of the first MQCONN and its associated MQINI.
An MQCONN definition can be replaced or discarded only when it is not in use by the CICS-MQ adapter. Ensure that the CICS-MQ interface has been stopped before trying to install an MQCONN definition.
Module: XMEOUT Parameters: applid, mqconn-name
Destination: Console and Terminal End User

DFHAM4941 E  applid The installation of ATOMSERVICE resourcename failed because the [CONFIGFILE | BINDFILE] does not exist.
Explanation: The specified resourcename cannot be installed because the UNIX System Services file specified as the CONFIGFILE or BINDFILE does not exist.
System action: The resource is not installed.
User response: Ensure that the appropriate file is defined.
Module: DFHAMP
XMEOOUT Parameters: applid, [1=ATOMSERVICE], resourcename, [1=CONFIGFILE, 2=BINDFILE]
Destination: Console and Terminal End User

DFHAM4942 E  applid The installation of ATOMSERVICE resourcename failed because CICS does not have authority to access the [CONFIGFILE | BINDFILE].
Explanation: The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the UNIX System Services file specified as the CONFIGFILE or BINDFILE.
System action: The resource is not installed.
User response: Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.
Module: DFHAMP
XMEOUT Parameters: applid, {11=ATOMSERVICE}, resourcename, {1=CONFIGFILE, 2=BINDFILE}
Destination: Console and Terminal End User

DFHAM4943 E applid The installation of (ATOMSERVICE) resourcename failed because the associated (CONFIGFILE | BINDFILE | URIMAP) is invalid.
Explanation: The specified resourcename cannot be installed because the associated CONFIGFILE, BINDFILE, or URIMAP was found to be invalid.
System action: The resource is not installed.
User response: Correct the invalid CONFIGFILE or BINDFILE. If the failure is for a URIMAP then it could be caused by the same path being specified in another URIMAP installed in CICS.

Module: DFHAMP
XMEOUT Parameters: applid, {11=ATOMSERVICE}, resourcename, {1=CONFIGFILE, 2=BINDFILE, 3=URIMAP}
Destination: Console and Terminal End User

DFHAM4944 W applid JVMSERVER resourcename has been installed with fewer threads than requested on its definition.
Explanation: The specified JVMSERVER resourcename was installed with fewer threads than the requested THREADLIMIT value on its resource definition.
System action: The resource is installed with limited threads.
User response: Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire more threads.

Module: DFHAMP
XMEOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4945 W applid JVMSERVER resourcename has been installed as disabled with a THREADLIMIT of 0.
Explanation: The specified JVMSERVER resourcename was installed as disabled with a THREADLIMIT value of 0 because there are not enough threads available in the running CICS system.
System action: The resource is installed as disabled.
User response: Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire some threads and be enabled.

Module: DFHAMP
XMEOUT Parameters: applid, resourcename
Destination: Console and Terminal End User

DFHAM4946 E applid The installation of (BUNDLE) resourcename failed because CICS does not have authority to access the manifest found in the bundle root directory.
Explanation: The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the manifest found in the bundle root directory specified in BUNDLEDIR.
System action: The resource is not installed.
User response: Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module: DFHAMP
XMEOUT Parameters: applid, {6=BUNDLE}, resourcename
Destination: Console and Terminal End User

DFHAM4954 W applid The installation of URIMAP (URIMAP) resourcename is successful, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.
Explanation: The specified URIMAP URIMAP is installed successfully, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.
System action: The URIMAP resource is installed without a certificate supplied.
User response: Determine whether your CERTIFICATE setting is acceptable.

Module: DFHAMP
Message inserts:
1. applid
2. Value chosen from the following options:
10=URIMAP
3. resourcename
Destination: Console and Terminal End User
DFHAM4999E  applid Install of resource type resources is not supported.

Explanation: An attempt to install resource type resource on this CICS system is not possible as the code for install has been disabled for this resource type.

System action: Processing continues. The definition is not installed.

DFHAPnnnn messages

DFHAP0001  applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively
• Unexpected data has been input, or
• Storage has been overwritten, or
• There has been a program check within a user program.

The code aaaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaaa, is a user abend code produced either by CICS or by another product on the user's system.

If X'offset' contains the value X'FFFF', then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer.

Look up the MVS code aaaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the modname insert contains the value $? ? ?, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code bbbb. If bbbb is identified as a CICS code, it may be either alphameric or numeric.

• If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
• If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response. The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the CICS System Definition Guide.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPIC, DFHAPNT, DFHAPSM, DFHAPST, DFHAPS1, DFHAPXM, DFHAPXME, DFHDKMR, DFHDDEF, DFHEISR, DFHEICM, DFHMRXM, DFHSAIQ, DFHSIPLT, DFHSSRP, DFHSTDT, DFHSTFC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTR, DFHSTS1, DFHSTUX, DFHTDXY, DHFTMP, DFHTSUT, DFH62XM

XMEOUT Parameters: applid, aaaa/bbbb, X'offset', modname

Destination: Console
**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DHFSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPJC, DFHAPLI, DFHAPLJ, DFHAPSI, DFHAPSIP, DFHAPSM, DFHAPST, DFHAPT, DFHAPTIM, DFHAPTIX, DFHAPXM, DFHAPXME, DFHDKMR, DFHERM, DFHEISR, DFHICXM, DFHPCPG, DFHPSL, DFHSTDT, DFHSTFC, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSTUX, DFHTMP, DFHTDXM, DFHVEH, DFHXCPA, DFHXSWM, DFHZCUT

**Destination:** Console

**XMEOUT Parameters:** applid, X'code',modname

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**DFHAP0004** applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DHFSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.
But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPSM, DFHAPST, DFHAPSI, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHSAIQ, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHSTSUT

XMEOUT Parameters: applid, X’offset’, modname

Destination: Console

DFHAP0005 applid A hardware error has occurred (module modname, code X’code’). MVS Store Clock found inoperative.

Explanation: A hardware error has occurred during the running of module modname. The MVS store clock facility is the timing mechanism for the operating system.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the MVS store clock to determine whether it is working properly. If this is the case, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZCUT

XMEOUT Parameters: applid, modname,X’code’

Destination: Console

DFHAP0100 applid Suffixed module modname cannot be loaded. Enter new suffix, ‘YES’(unsuffixed), ‘NONE’(dummy), or ‘CANCEL’

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded.

System action: The AP domain initialization routines wait for the operator to
• Enter an alternative two-character suffix,
• Enter ‘YES’ to request the unsuffixed version,
• Enter ‘NONE’ to request that a dummy version of the program or table be loaded, or
• Enter ‘CANCEL’.

If ‘CANCEL’ is entered, CICS is abnormally terminated at the end of the nucleus process.

User response: Determine whether the suffix is correct. If it is not, enter one of the replies listed in the System Action.

If you enter ‘CANCEL’, correct the error by adding the module to the appropriate library and then restart CICS.

Module: DFHSIB1

XMEOUT Parameters: applid, modname

Destination: Console

DFHAP0101 applid Suffixed module modname cannot be loaded.

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded. This message is issued for all suffixable modules which cannot be located after CANCEL has been specified in response to a preceding DFHAP0100 message.

System action: The AP domain initialization continues until the end of the nucleus load process. CICS is then abnormally terminated with a dump.

User response: Determine whether the suffix is correct. If it is not, either correct the SIT or name the correct suffix via an override for the next initialization of CICS. Otherwise correct the error by adding the module to the appropriate library.

Module: DFHSIB1

XMEOUT Parameters: applid, modname

Destination: Console
**DFHAP0360** date time applid An attempt to establish security for userid userid has failed. SAF codes are (X’safresp’,X’safreas’). ESM codes are (X’esmresp’,X’esmreas’).

**Explanation:** An attempt was made to establish security for userid userid but it was rejected by the external security manager (ESM). Check that the userid has been defined correctly.

**System action:** Security has not been established for the userid. The attempt to start the transaction has failed.

**User response:** The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE XMEOUT Parameters: DFHICXM DFHIEXM

**Module:** DFHICXM DFHIEXM

**XMEOUT Parameters:** date, time, applid, userid, X’safresp’, X’safreas’, X’esmresp’, X’esmreas’

**Destination:** CSCS

**DFHAP0501** date time applid Program progname has issued an ADDRESS CSA command that is no longer supported.

**Explanation:** The program progname has attempted to address the CSA. This function is no longer supported. The address returned is now fetch protected. Any attempt to reference this address results in an abend.

**System action:** CICS continues.

**User response:** Remove this command from the application program. Translate and compile. Remove any references to the address that was previously returned.

**Module:** DFHEEI

**XMEOUT Parameters:** date, time, applid, progname

**Destination:** CMIG

**DFHAP0601** applid Force purge of transaction id tranid transaction number trannum has been deferred because the transaction is executing post commit syncpoint processing.

**Explanation:** CICS has received a request to force purge a transaction. The target of the force purge request is part way through processing the second phase of a two phase syncpoint. If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0408 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

**System action:** CICS defers the purge until the target transaction is no longer protected against purge.

**User response:** Retry the purge after a short interval if the target transaction has not ended.

**Module:** DFHAPXME

**XMEOUT Parameters:** applid, tranid,trannum

**Destination:** Console

**DFHAP0602** applid Force purge of transaction id tranid transaction number trannum has been deferred because the transaction is executing transaction backout.

**Explanation:** CICS has received a request to force purge a transaction. The target of the force purge request is part way through transaction backout processing (either as a result of an earlier transaction abend, or a syncpoint rollback request). If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

**System action:** CICS defers the purge until the target transaction is no longer protected against purge.

**User response:** Retry the purge after a short interval if the target transaction has not ended.

**Module:** DFHAPXME

**XMEOUT Parameters:** applid, tranid,trannum

**Destination:** Console

**DFHAP0603** applid Force purge of transaction ID tranid, transaction number trannum, recovery token X’rtoken’ has been deferred because the transaction is waiting for a DLI request in DBCTL to complete.
DFHAP0604 • DFHAP0701

Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is waiting in DBCTL (or an IMS DC system which CICS thinks is a DBCTL) for the DLI request to complete. If the forcepurge was accepted at this time, the IMS system would fail with a U113 abend. The target transaction cannot be purged while it is in this state. Transactions should only remain in this state for a short time, unless the transaction is requesting some data or resource held by some other task in DBCTL. The recovery token may be used to identify which DBCTL thread corresponds to your task. (Issue /DIS CCTL ALL against the relevant DBCTL). One of the other active threads probably holds the resource you are waiting for. A subsequent attempt to forcepurge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System action: CICS defers the forcepurge until the target transaction is no longer protected against purge.

User response: Retry the forcepurge after a short interval if the target transaction has not ended. If the purge is still deferred, you will not be able to purge this transaction until the resource it is waiting for is released.

Module: DFHAPXME

XMEOUT Parameters: applid, tranid, trannum, X’rtoken’

Destination: Console

Please refer to the explanation and user response for DFHAP0604.

DFHAP0701 applid An abend (code abcode) has occurred in exit program programe at exit point xixxxxxx.

Explanation: An abnormal end (abend) or program check has occurred in the program programe. This implies that there is an error in the error program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

The module producing the error message is DFHUHE, or

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

Either CICS continues unless you have specified in the dump table that CICS should terminate.

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. If this is the case, a zero return code is returned to the CICS management module.

User response: There might be a logic error in the user exit program programe. DISABLE the exit program from all exit points, by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit...
programs see the CICS Customization Guide.

**Module:** DFHSUEX, DFHUEH

**XMEOUT Parameters:** applid, abcode, progname, xxxxxxx

**Destination:** Console

DFHAP0702 applid An abend (code abcode) has occurred in exit program progname at exit point xxxxxxx because a backlevel XPI call has been made.

**Explanation:** The global user exit program progname has made a backlevel XPI call which has resulted in an 0C4/AKEJ program check.

**System action:** CICS makes an exception entry in the trace table and returns a zero return code to the exit point. After producing this message CICS handles the error as a normal program check within the exit program.

**User response:** Reassemble your global user exit program progname using the current CICS libraries.

For programming information about coding user exit programs see the CICS Customization Guide.

**Module:** DFHSUEX

**XMEOUT Parameters:** applid, abcode, progname, xxxxxxx

**Destination:** Console

DFHAP0703 applid An abend (code abcode) has occurred in exit program progname at exit point xxxxxxx because a backlevel XPI call has been made.

**Explanation:** The global user exit program progname has made a backlevel XPI call which has resulted in an 0C4/AKEJ program check.

**System action:** CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless

- The module producing the error message is DFHUEH, or
- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

**User response:** Reassemble your global user exit program progname. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit programs see the CICS Customization Guide.

**Module:** DFHSUEX, DFHUEH

**XMEOUT Parameters:** applid, progname, xxxxxxx

**Destination:** Console

DFHAP0704 applid A possible loop has been detected in exit program progname at exit point xxxxxxx.

**Explanation:** The exit program progname was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

**System action:** CICS returns a zero return code to the exit point. CICS also produces a system dump unless

- The module producing the error message is DFHUEH, or
- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

**User response:** There is a probable logic error in the user exit program progname. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

Refer to the CICS Customization Guide for further information about coding user exit programs.

If you think there is no loop, you can increase the runaway task time interval in the ICVR by using CEMT. This is explained in the CICS Supplied Transactions manual.

**Module:** DFHSUEX, DFHUEH

**XMEOUT Parameters:** applid, progname, xxxxxxx

**Destination:** Console

DFHAP0705 W date time applid The enable of task related user exit program progname has caused CICS to force TASKDATALOC(BELOW) for all transactions.

**Explanation:** Task-related user exit program progname has been enabled with options TASKSTART and LINKEDITMODE, and progname has been linkededited AMODE 24. This ensures that it is always invoked in amode 24. An amode 24 task-related user exit program can only be invoked if the calling transaction is defined with TASKDATALOC(BELOW).

By enabling the AMODE 24 task-related user exit for task start, the user has forced CICS to force all subsequent transactions to run with TASKDATALOC(BELOW).

**System action:** CICS continues, but for the remainder of the CICS run, CICS insists that all transactions run with TASKDATALOC(BELOW).
DFHAP0706 • DFHAP0708

User response: To avoid all transactions having to run with TASKDATALOC(BELOW), modify the task-related user exit so that it is capable of running AMODE(31) when invoked for task start.

Ideally the task-related user exit should be modified so that it always runs AMODE 31 for whoever is the caller. In this case the exit program can be linkededited with the AMODE 31 attribute, and enabled with the LINKEDITMODE option. This ensures CICS always invokes it in AMODE 31.

Alternatively the task-related user exit could be modified so it is capable of being invoked in either amode. In this case the exit should be enabled without the LINKEDITMODE option. This means the exit will be invoked in the amode of its caller. For CICS calls such as task start, this will always be AMODE 31, but it does allow the exit to be invoked AMODE 24 for calls from an amode 24 application if this is desired.

See the CICS Resource Definition Guide, for more information on the TASKDATALOC option.

See the CICS Customization Guide for programming information on the LINKEDITMODE option when enabling task-related user exits.

Module: DFHUEM

XMEOUT Parameters: date, time, applid, progname

Destination: Console and Transient Data Queue

DFHAP0706 applid A probable loop has been detected in task related user exit program progname.

Explanation: The task related user exit program progname was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System action: CICS produces a system dump unless you have specifically suppressed dumps in the dump table.

User response: There is a probable logic error in the task related user exit program progname. DISABLE the exit program and correct the error.

Refer to the CICS Customization Guide for programming information about task-related user exit programs.

If there is no loop, you can avoid this problem by increasing the runaway task time interval in the ICVR using CEMT. This is explained in the CICS Supplied Transactions.

Module: DFHERM

XMEOUT Parameters: applid, progname

Destination: Console

DFHAP0707 applid An abend (code abcode) has occurred in task related user exit program progname.

Explanation: An abnormal end (abend) or program check has occurred in the task related user exit program progname. This implies that there is an error in the exit program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, X’0C1 or X’D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: CICS makes an exception entry in the trace table. A system dump is produced if requested via an entry in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User response: There might be a logic error in the task related user exit program progname. DISABLE the task related user exit program and correct the error.

For programming information about coding task related user exit programs see the CICS Customization Guide.

Module: DFHERM

XMEOUT Parameters: applid, abcode, progname

Destination: Console

DFHAP0708 applid An abend (code abcode) has occurred in task related user exit program progname because a backlevel XPI call has been made.

Explanation: The task related user exit program progname has made a backlevel XPI call which has resulted in an 0C4/AKEJ program check.

System action: CICS makes an exception entry in the trace table. A system dump is produced if requested via an entry in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User response: Reassemble your task related user exit using the current CICS libraries.

For programming information about coding task related user exit programs see the CICS Customization Guide.

Module: DFHERM

XMEOUT Parameters: applid, abcode, progname

Destination: Console
DFHAP0801I  applid z/OS Conversion Services are not available.

Explanation: Character conversion is not possible using z/OS conversion services because these services are not enabled.

System action: CICS continues.

User response: None. You can suppress this message with the system initialization parameter, MSGLVL=0. If z/OS conversion services are to be used by CICS then they must be enabled by following the steps in the z/OS Support for Unicode manual.

Module: DFHCCNVG

XMEOUT Parameter: applid

Destination: Console

DFHAP0802  applid Data conversion using CCSID ccсид1 and CCSID ccSID2 is not supported by this system.

Explanation: CICS has received a request to convert some character data from one CCSID encoding to another. This CCSID combination is not currently supported by the region.

System action: The conversion process fails and no data is converted.

User response: If z/OS conversion services are being used then add this CCSID combination to the conversion image and retry the request.

Module: DFHCCNVG

XMEOUT Parameters: applid, ccсид1,ccSID2

Destination: Console

DFHAP0806  applid Resource definition recovery has failed with code X'code' in module modname.

Explanation: An error has been detected in module modname during startup. The code X'code' is the exception trace point ID which uniquely identifies the error and where it was detected.

System action: An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. This failure indicates a serious error in CICS. For further information about CICS exception trace entries, see the CICS Diagnosis Reference.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRDR, DFHTCRP

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHAP1007  applid A GETMAIN has failed for a resource definition control block code X'code' in module modname.

Explanation: An storage request has failed in module modname. The code X'code' is the exception trace point ID which uniquely identifies the error and where it was detected.

System action: An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system administrator. This failure may indicate that you need to increase the size limits of the EDSAs. EDSA storage limits are specified by the EDSALIM system initialization parameter. See the CICS System Definition Guide for more guidance on EDSALIM. For further information about CICS exception trace entries, see the CICS Diagnosis Reference.
DFHAP1200 • DFHAP1208

**Module:** DFHAPRDR

**XMEOUT Parameters:** applid, 'X'code', modname

**Destination:** Console

DFHAP1200 applid A CICS request to the Language Environment has failed. Reason code rc.

**Explanation:** CICS has attempted to communicate with AD/Cycle Language Environment, but due to an error, the function requested by CICS could not be performed.

**System action:** If the error occurs during system initialization, then the initialization continues but without support for the Language Environment. If the error occurs in a user application program, then the transaction is abnormally terminated.

**User response:** For an explanation of the Language Environment return code rc, refer to the Language Environment Debugging Guide and Runtime Messages manual.

If the error occurs during system initialization, check that the Language Environment modules and the modules required for the languages supported by that environment have been correctly installed. In particular ensure that

- The interface module CEECICS has been placed in a library concatenated to the STEPLIB DD statement of the CICS startup job stream
- The required modules in the CSD have been defined (these modules are listed in the file CEESAMP which is supplied with the sample files on the distribution tape).

**Module:** DFHAPLI

**XMEOUT Parameters:** applid, rc

**Destination:** Console

DFHAP1203I applid Language Environment is being initialized.

**Explanation:** This is an informative message indicating that CICS is initializing support for the Language Environment.

**System action:** System initialization continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

**Destination:** Console

DFHAP1206 applid CEECICS module not found.

**Explanation:** This is an informative message indicating that CICS is unable to locate the Language Environment CEECICS module either via the BLDL mechanism or in the LPA, and consequently CICS cannot call Language Environment to initialize.

**System action:** System initialization continues. However it will not be possible to execute application programs written in a high level language.

**User response:** If you wish to execute programs written in a high level language, you must ensure that the CEECICS module, which is distributed in the Language Environment SCEE RUN library, can be located either via STEPLIB or in the LPA.

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

**Destination:** Console

DFHAP1207 applid CEEPIPI module not found.

**Explanation:** This is an informative message indicating that CICS is unable to locate the Language Environment CEEPIPI module either via the BLDL mechanism or in the LPA.

**System action:** System initialization continues. However it will not be possible for CICS to establish the pre-initialized environment required by CICS to support the JVM and sockets.

**User response:** If you need this CICS system to support the JVM and sockets, you must ensure that the CEEPIPI module, which is distributed in the Language Environment SCEE RUN library, can be located either via STEPLIB or in the LPA. Also ensure that the Language Environment SCEE RUN2 library is included in STEPLIB or LPA.

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

**Destination:** Console

DFHAP1208 applid Language Environment cannot support the Cobol language.

**Explanation:** This is an informative message indicating that Language Environment has initialized successfully but is unable to execute programs written in the COBOL language.

**System action:** System initialization continues. However it will not be possible for CICS to run applications written in COBOL.

**User response:** If you need this CICS system to support the COBOL language you should search the joblog for any messages issued by Language Environment. One possible reason is that the
CEEEV005 program, which is the Language Environment interface module to the COBOL runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

**Module:** DFHAPLI  
**XMEOUT Parameter:** applid  
**Destination:** Console

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**DFHAP1209** applid Language Environment cannot support the C/C++ languages.

**Explanation:** This is an informatory message indicating that Language Environment has initialized successfully but is unable to execute programs written in the C and C++ languages.

**System action:** System initialization continues. However it will not be possible for CICS to run applications written in C or C++.

**User response:** If you need this CICS system to support the C and C++ languages you should search the joblog for any messages issued by Language Environment. One possible reason is that the CEEEV003 program, which is the Language Environment interface module to the C runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

**Module:** DFHAPLI  
**XMEOUT Parameter:** applid  
**Destination:** Console

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**DFHAP1210** applid Language Environment cannot support the PL/I language.

**Explanation:** This is an informatory message indicating that Language Environment has initialized successfully but is unable to execute programs written in the PL/I language.

**System action:** System initialization continues. However it will not be possible for CICS to run applications written in PL/I.

**User response:** If you need this CICS system to support the PL/I language you should search the joblog for any messages issued by Language Environment. One possible reason is that the CEEEV010 program, which is the Language Environment interface module to the PL/I runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

**Module:** DFHAPLI  
**XMEOUT Parameter:** applid  
**Destination:** Console

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**DFHAP1213** applid An unexpected error has occurred during the LOAD of the modname module with system completion code compcode and reason code reason.

**Explanation:** Either an error was detected when CICS tried to load one of the required language interface modules, or the region size you have defined for CICS is too small.

During the language initialization phase of CICS startup, an unexpected error has occurred while CICS was initializing the necessary support. Possibly CICS has determined that there is insufficient storage to enable run-time language support to be correctly installed. Application program execution is likely to be severely restricted if CICS continues.

**System action:** CICS initialization continues.

**User response:** You should examine the console log for any error messages which may have been issued by the operating system immediately preceding this CICS
Message. If no operating system messages were issued, it is likely that there is insufficient storage for CICS to continue and you should restart CICS with a larger region size.

**Module:** DFHAPLI

**XMEOUT Parameters:** applid, modname, compcode, reason

**Destination:** Console

---

**DFHAP1214** applid Language Environment global ENVAR option defined with invalid CICS program options.

**Explanation:** An error has been detected in the Language Environment global runtime ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an unsupported or invalid program option. At this level of CICS, the only valid options are 'OPENAPI', 'THREADSAFE' or 'QUASIRENT'.

**System action:** The incorrect ENVAR substring is ignored.

**User response:** Refer to the CICS System Definition Guide for information on how to define program options in the ENVAR string.

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHAP1215** applid Invalid CICS program options found in ENVAR string in program pgmname.

**Explanation:** The application program contains user-defined Language Environment runtime options, and an error has been detected in the specification of the ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an unsupported or invalid program option. At this level of CICS, the only supported options are 'OPENAPI', 'THREADSAFE' or 'QUASIRENT'.

**System action:** The incorrect ENVAR substring is ignored.

**User response:** Refer to the CICS System Definition Guide for information on how to define program options in the ENVAR string.

**Module:** DFHAPLI

**XMEOUT Parameters:** applid, pgmname

**Destination:** Console

---

**DFHAP1217** date time applid Attempt to fetch user replaceable module DFHJVMAT has failed.

**Explanation:** The CICS JVM interface issued a fetch to load user replaceable module DFHJVMAT. The native C fetch request failed.

**System action:** The CICS transaction is abended with abend code AJM9.

**User response:** Ensure that C program DFHJVMAT is present in a data set in the CICS STEPLIB concatenation. Examine messages output by language environment to determine why the fetch request failed.

**Module:** DFHAPLI

**XMEOUT Parameters:** date, time, applid

**Destination:** CSMT

---

**DFHAP1218** date time applid CEEPIPI function pipifn failed with return code r15rc.

**Explanation:** CICS XPLINK called CEEPIPI with one of the following function codes:
- 1 = init_main to initialize a new PIPI execution environment
- 2 = call_main to invoke the main program in the PIPI environment
- 5 = term to terminate a PIPI execution environment
- 6 = add_entry to add an entry to the PIPI PreInit Table
- 11 = delete_entry to delete an entry from the PIPI PreInit Table

A non-zero return code from CEEPIPI indicates that the function failed.

**System action:** Language Environment may have written diagnostic information to the CESE destination. CICS abends the transaction with an abend code of ALX1, ALX2, ALX3, ALX4 or ALX5 depending upon the reason for the call to CEEPIPI.

**User response:** Look at SYSOUT or the CESE destination for Language Environment messages. Look in Language Environment Programmers Guide (SC28-1939) for the CEEPIPI function and the explanation of the return code which is in Register 15.

**Module:** DFHAPLJ

**XMEOUT Parameters:** date, time, applid, pipifn, r15rc

**Destination:** CSMT

---

**DFHAP1226** date time applid Program program is defined as EXECKEY(USER) but transaction transaction as TASKDATAKEY(CICS) these attributes are incompatible.

**Explanation:** An attempt has been made to run a
program defined as EXECKEY(USER) as part of a transaction defined as TASKDATAKEY(CICS). These attributes are incompatible. This incompatibility could occur as a result of the program definition being autoinstalled. See the CICS Customization Guide and the CICS Resource Definition Guide for more information about program autoinstall.

**System action:** The transaction will be abnormally terminated with abend code AEZD.

**User response:** Redefine and install a new definition either for the transaction with TASKDATAKEY(USER), or for the program with EXECKEY(CICS).

If this message occurs when running a CICS transaction, a possible cause is that you are not using the CICS-supplied definition for the program. If you are using your own copies of CICS-supplied program definitions, they must be defined as EXECKEY(CICS).

**Module:** DFHAPLI

**XMEOUT Parameters:** date, time, applid, program, transaction

**Destination:** CSMT

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**DFHAP1300**

The JVM at address X‘jvm_anchor’ on thread X‘thread_anchor’ has encountered an error (reason code: X‘reason_code’) and has requested further diagnostic data from CICS. More information may be found in the STDERR file: stderr.

**Explanation:** An error condition was detected by one of the JVMs in the JVMPool. The JVM invoked CICS services to capture a system dump. The JVM may recover, and continue processing, or may terminate. The JVM may write further data to the current stderr file indicated in the message.

**System action:** A system dump is taken. For critical errors in the JVM, the JVM is terminated. If a CICS program was in control at the time of the failure, the program is abended. If the failure occurred during task termination, the current transaction is rolled back. Processing continues by recreating the JVM or using other JVMs in the JVMPool.

**User response:** Read the STDERR log for the JVM. The JVM will have written any of its own diagnostics messages to this location. Examine the system dump using the JVM formatting utility. Use the address (jvm_anchor) shown in the message to identify the JVM. Optionally, use the address (thread_anchor) shown in the message to identify the thread in the JVM. The failure may be due to a JVM internal error, or to a component loaded by the JVM as a Native method or plug-in. The reason code given (reason_code) may be a signal handle or other code defined by the JVM. Use the information generated by the JVM in the stderr file to assist in the diagnosis of the problem.

**Module:** LIBDFHPJVMTSO

**XMEOUT Parameters:** date, time, applid, X‘jvm_anchor’, X‘thread_anchor’, X‘reason_code’, stderr

**Destination:** CSMT

---

**DFHAP1500**

The CICS time-of-day is no longer synchronized with the system time-of-day.

**Explanation:** The CICS time-of-day differs from the system time-of-day by more than 30 minutes.

**System action:** CICS continues. However, as SIT parameter AUTORESETTIME is set to NO, a CEMT PERFORM RESET is needed to synchronize the CICS time-of-day with the system time-of-day.

**User response:** Use the CEMT PERFORM RESET (or EXEC CICS PERFORM RESETTIME) command to ensure that CICS immediately resynchronizes its local time with that of the MVS TOD clock. This will ensure that the correct local time is used by all CICS functions, including the API.

**Module:** DFHAPTIM

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHAP1605**

A SIGABRT signal has been received by a JVM server. CICS will shut down immediately.

**Explanation:** A SIGABRT signal has been received by a JVM server, which caused the JVM to shut down. CICS must immediately shut down to preserve data integrity.

**System action:** CICS takes a system dump, and shuts down immediately.

**User response:** Contact IBM support.

**Module:** DFHJSJSC
DFHBA0001  DFHBA0102

| XMEOUT Parameters: date, time, applid |
| Destination: Console and Transient Data Queue |
| CSMT |

### DFHBAannnn messages

**DFHBA0001** applid An abend (code code) has occurred at offset X'offset' in module module.

**Explanation:** An unexpected program check or abend occurred with abend code aaabb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

**System action:** A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Investigate the cause of the problem as follows

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHBAAC, DFHBAAC1, DFHBAAC2, DFHBAAC3, DFHBAAC4, DFHBAAC5, DFHBAAC6, DFHBAAR1, DFHBAAR2, DFHBAAR3, DFHBACR, DFHBADM, DFHBALR1, DFHBALR2, DFHBALR3, DFHBALR4, DFHBALR5, DFHBALR6, DFHBALR7, DFHBALR8, DFHBALR9, DFHBAPR, DFHBAPT1, DFHBASP, DFHBATT, DFHBAUE, DFHBAVP1, DFHBAVM

**XMEOUT Parameters:** applid, code, X'offset', module

**Destination:** Console

**DFHBA0101** date time applid An error has occurred while writing an auditlog record to log logname. Logging has been suspended.

**Explanation:** The BA domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

**System action:** Normal processing continues with logging of audit records to the specified log suspended.

**User response:** Determine if the problem can be explained by any previous messages issued from some other CICS component. If the log is successfully reconnected, audit logging will be resumed, see message DFHBA0102. If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHBAAR2

**XMEOUT Parameters:** date, time, applid, logname

**Destination:** Console

**DFHBA0102** date time applid Auditlog writing to log logname has been successfully resumed.

**Explanation:** The BA domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

**System action:** Audit logging has resumed.

**User response:** None.

**Module:** DFHBAAR2
XMEOUT Parameters: date, time, applid, logname

Destination: Console and Transient Data Queue CSBA

**DFHBA0103** date time applid terminal userid tranid processtype definition entry processtype has been deleted.

**Explanation:** This is an audit log message indicating that Processtype entry processtype has been deleted using the DISCARD command. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action:** The system continues normally.

**User response:** None.

**Module:** DFHBATT

**Destination:** CSBA

**DFHBA0104** date time applid The root activity of process processname of processtype processtype has completed status ABENDED, code abendcode.

**Explanation:** This indicates that the root activity of the process processname, of processtype processtype, has completed abnormally with abendcode.

- **transid** is the tranid of the activation that completed the activity.
- **userid** is the user identifier of the transaction that completed the activity.

**System action:** The root activity is marked complete abended in the BTS repository in the normal way and the system continues normally.

**User response:** None.

**Module:** DFHBAAC

**Destination:** CSBA

**DFHBA0105** date time applid terminal userid tranid processtype definition entry processtype has been installed.

**Explanation:** This is an audit log message indicating that Processtype entry processtype has been added to the system or modified via the INSTALL command. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message.

If there is no terminal associated with the transaction, the terminal name is suppressed.

- **userid** is the user identifier of the user associated with the transaction issuing the message.

**System action:** The system continues normally.

**User response:** None.

**Module:** DFHBATT

**Destination:** CSBA

**DFHBA0201** Module module load of DFHMEBM failed, reason code X'rcode' system code X'scode'.

**Explanation:** The program has failed to load module DFHMEBM.

The message contains the name of the module that detected the error, the reason code and the system code from the failed load.

**System action:** The program terminates with return code 12.

**User response:** Use the reason code and system code contained in the message to determine the reason for the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination:** Console

**DFHBA0202** Module module load of modname failed, reason code X'rcode' system code X'scode'.

**Explanation:** The program has failed to load the language table.

The message contains the name of the module that detected the error, the language table name, the reason code and the system code from the failed load.

**System action:** The program terminates with return code 12.

**User response:** Use the reason code and system code contained in the message to determine the reason for the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination:** Console
DFHBA0203  Error opening SYSPRINT in module

**Explanation:** Error opening SYSPRINT.
The message contains the name of the module with the error.

**System action:** The program terminates with return code 12.
**User response:** Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
**Module:** DFHATUP DFHBARUP
**Destination:** Console

DFHBA0204  Module exec parameter error, missing open bracket at position position(+)．

**Explanation:** An exec parameter error has been detected.
An open bracket is missing after a keyword. The name of the module that detected the error and the approximate position of the missing bracket are contained in the message.

**System action:** The program terminates with return code 12.
**User response:** Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
**Module:** DFHATUP DFHBARUP
**Destination:** Console

DFHBA0205  Module exec parameter error, missing close bracket at position position(+)．

**Explanation:** An exec parameter error has been detected.
A close bracket is missing after the keyword field. The message contains the name of the module that detected the error and the approximate position of the missing bracket.

**System action:** The program terminates with return code 12.
**User response:** Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
**Module:** DFHATUP DFHBARUP
**Destination:** Console

DFHBA0206  Module exec parameter error, invalid keyword at position position.

**Explanation:** An exec parameter error has been detected.
An invalid keyword has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

**System action:** The program terminates with return code 12.
**User response:** Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
**Module:** DFHATUP DFHBARUP
**Destination:** Console

DFHBA0207  Module exec parameter error, invalid translate field at position position.

**Explanation:** An exec parameter error has been detected.
An invalid translate keyword field has been located. The message contains the name of the module that detected the error and the position of the invalid keyword field.

**System action:** The program terminates with return code 12.
**User response:** Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
**Module:** DFHATUP DFHBARUP
**Destination:** Console

DFHBA0208  Module exec parameter error, duplicate translate keyword at position position.

**Explanation:** An exec parameter error has been detected.
A duplicate translate keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate translate keyword.

**System action:** The program terminates with return code 12.
**User response:** Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP  
**Destination:** Console

**DFHBA0209** Module *module* exec parameter error, invalid *pagesize* field at position *position*.

**Explanation:** An exec parameter error has been detected. An invalid *pagesize* field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

**System action:** The program terminates with return code 12.

**User response:** Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP  
**Destination:** Console

**DFHBA0210** Module *module* exec parameter error, duplicate *pagesize* keyword at position *position*.

**Explanation:** An exec parameter error has been detected. A duplicate *pagesize* keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action:** The program terminates with return code 12.

**User response:** Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP  
**Destination:** Console

**DFHBA0211** Module *module* exec parameter error, invalid *NATLANG* field at position *position*.

**Explanation:** An exec parameter error has been detected. An invalid *NATLANG* field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

**System action:** The program terminates with return code 12.

**DFHBA0212** Module *module* exec parameter error, duplicate *NATLANG* keyword at position *position*.

**Explanation:** An exec parameter error has been detected. A duplicate *NATLANG* keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action:** The program terminates with return code 12.

**User response:** Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP  
**Destination:** Console

**DFHBA0213** Open of SYSIN failed in module *module*.

**Explanation:** An open of SYSIN failed. The message contains the name of the module that detected the error.

**System action:** The program terminates with return code 12.

**User response:** Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP  
**Destination:** SYSPRINT

**DFHBA0214** Module *module* invalid keyword at position *position*.

**Explanation:** A SYSIN parameter error has been detected. An invalid keyword has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

**System action:** The program terminates with return code 12 after all the SYSIN parameters have been processed.
DFHBA0215 • DFHBA0220

User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0215 Module module invalid keyword field length at position position.
Explanation: A sysin parameter error has been detected.
An invalid keyword field length has been detected. The message contains the name of the module that detected the error and the position of the invalid field.
System action: The program terminates with return code 12 after all the sysin parameters have been processed.
User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0216 Module module invalid keyword field at position position.
Explanation: A sysin parameter error has been detected.
An invalid keyword field has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.
System action: The program terminates with return code 12 after all the sysin parameters have been processed.
User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0217 Module module unexpected keyword at position position.
Explanation: A sysin parameter error has been detected.
An unexpected keyword has been found. The message contains the name of the module that detected the error and the position of the unexpected keyword.
System action: The program terminates with return code 12.
User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0218 Module module duplicate auditlog keyword at position position.
Explanation: A sysin parameter error has been detected.
A duplicate auditlog keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.
System action: The program terminates with return code 12 after all the sysin parameters have been processed.
User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0219 Module module continuation not allowed.
Explanation: A sysin parameter error has been detected.
A parameter card contains an invalid continuation character. The message contains the name of the module that detected the error.
System action: The program terminates with return code 12 after all the sysin parameters have been processed.
User response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Module: DFHATUP DFHBARUP
Destination: SYSPRINT

DFHBA0220 Module module unexpected end of file.
Explanation: A sysin parameter error has been detected.
The last sysin card read before end of file was reached has a continuation indicator. The message contains the name of the module that detected the error.
**System action:** The program terminates with return
code 12.

**User response:** Correct the error and submit the job
again.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0221**

**Error opening file in module module.**

**Explanation:** An open of the auditlog has failed.
The message contains the name of the module that
detected the error and the name of auditlog data set.

**System action:** The program terminates with return
code 12.

**User response:** Check if any additional system
messages have been issued that may help you to
determine the cause of the problem.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHATUP

**Destination:** SYSPRINT

---

**DFHBA0222**

**Module module terminated because of
errors, check SYSPRINT for details.**

**Explanation:** The program has detected errors that
have caused it to terminate.

Additional error messages have been output to
SYSPRINT.

**System action:** The program terminates with return
code 12.

**User response:** Use the additional messages output to
SYSPRINT to determine the cause of the problem.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0223**

**Module module terminated because of
errors, check previous console messages
for details.**

**Explanation:** The program has detected errors that
have caused it to terminate.

Additional error message will have been issued at the
console.

**System action:** The program terminates with return
code 12.

**User response:** Use the additional messages issued at
the console to determine the cause of the problem.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination:** Console

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**DFHBA0224**

**Gencb failed in module module. R15 =
X'15val' R0 = X'0val'.**

**Explanation:** A Vsam gencb macro call has failed.
The message contains the name of the module that
issued the failed gencb and the register 15 and 0 values
at the time of the error. At the time of the error register
15 contains the return code and register 0 contains the
reason code. The reason code is only valid if the return
code is 4.

**System action:** The program terminates with return
code 12.

**User response:** Use the return code and reason code
values to determine the cause of the problem.

Check if any additional system messages have been
issued that may help you to determine the cause of the
problem.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0225**

**Modcb failed in module module. R15 =
X'15val' R0 = X'0val'.**

**Explanation:** A Vsam modcb macro call has failed.
The message contains the name of the module that
issued the failed modcb and the register 15 and 0 values
at the time of the error. At the time of the error register
15 contains the return code and register 0 contains the
reason code. The reason code is only valid if the return
code value is 4.

**System action:** The program terminates with return
code 12.

**User response:** Use the return code and reason code
values to determine the cause of the problem.

Check if any additional system messages have been
issued that may help you to determine the cause of the
problem.

If the problem cannot be determined and corrected,
you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT
DFHBA0226  DFHBA0230

**DFHBA0226**  Showcb failed in module *module*. R15 = X'\text{r15val}'  R0 = X'\text{r0val}'.

**Explanation:** A Vsam showcb macro call has failed.

The message contains the name of the module that issued the failed showcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.

**System action:** The program terminates with return code 12.

**User response:** Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT

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**DFHBA0227**  Error opening *file* in module *module*. R15 = X'\text{r15val}'  *reason code* = X'\text{reasval}'.

**Explanation:** A Vsam open macro call has failed.

The message contains the name of the data set being opened, the name of the module issuing the open, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action:** If the register 15 value is 4 the program continues. If the register 15 value is 8 or greater the program terminates with return code 12.

**User response:** Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0228**  Error closing *file* in module *module*. R15 = X'\text{r15val}'  *reason code* = X'\text{reasval}'.

**Explanation:** A Vsam close macro call has failed.

The message contains the name of the data set being closed, the name of the module issuing the close, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action:** The program terminates with return code 12.

**User response:** Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0229**  Get for *file* failed in module *module*. R15 = X'\text{r15val}'  *reason code* = X'\text{reasval}'.

**Explanation:** A Vsam get macro call has failed.

The message contains the name of the data set that the get is being issued against, the name of the module issuing the get, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action:** The program terminates with return code 12.

**User response:** Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHBARUP

**Destination:** SYSPRINT

---

**DFHBA0230**  Point for *file* failed in module *module*. R15 = X'\text{r15val}'  *reason code* = X'\text{reasval}'.

**Explanation:** A Vsam point macro call has failed.

The message contains the name of the data set that the point failed on, the name of the module issuing the point, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action:** The program terminates with return code 12.

**User response:** Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.
DFHBA0231  The set of records associated with the activity or process being read are not complete.

Explanation:   The set of process or activity records being read is incomplete.

System action: The program continues processing with the next process or activity.

User response: If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions have deleted the set of records being processed by DFHBARUP.

If this is not the case then further investigation will be required.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module: DFHBARUP  Destination: SYSPRINT

DFHBA0232  No records selected by module module.

Explanation: No records have been selected for printing.

The message contains the name of the module involved.

System action: The program completes with return code 0.

User response: Check that the selection parameters are correct and the correct file is being processed.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module: DFHATUP DFHBARUP  Destination: Console

DFHBA0233  Module module has completed processing.

Explanation: Processing has completed.

The message contains the name of the module involved.

System action: The program completes with return code 0.

User response: None

Module: DFHATUP DFHBARUP  Destination: Console

DFHBA0234  Module module has a duplicate repository keyword at position position.

Explanation: A sysin parameter error has been detected.

A duplicate repository keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System action: The program terminates with return code 12 after all the sysin parameters have been processed.

User response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module: DFHBARUP  Destination: SYSPRINT

DFHBA0235  The container record being processed is not complete.

Explanation: The container being processed is incomplete.

System action: The program continues processing with the next process or activity.

User response: If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions may be altering the container records as DFHBARUP is processing them.

If this is not the case then further investigation will be required.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module: DFHBARUP  Destination: SYSPRINT
Explanation: The Bridge exit brexit terminated abnormally with abend code abcode.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABODE(abcode) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

Unless the abend occurred whilst the bridge exit was processing the termination or abend call, this abend will also result in CICS issuing an ABRQ abend. In this case a DFHAC2236 abend message will follow this message. See that message for details about recoverable resources.

System action: Abend ABRQ will be issued unless the transaction is calling the bridge exit for termination or abend processing.

User response: Use the abend code abcode to diagnose the problem. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Alternatively, there might be a logic error in the bridge exit program brexit. For programming information about coding bridge exit programs see the CICS Customization Guide.

Module: DFHBRAI
XMEOUT Parameters: date, time, applid, userid, tranid, urmname, abcode
Destination: CSBR

Explanation: The Bridge facility autoinstall URM could not be linked. The autoinstall function has been disabled.

System action: The autoinstall URM is disabled. This prevents the autoinstalling of new bridge facilities, as well as the other functions of the autoinstall exit.

User response: Unless there are other messages preceding this message indicating the cause of the problem, the probable cause is that the URM cannot be found in the DFHRPL concatenation.

When the error has been found and the problem corrected enable the autoinstall URM to re-enabled the mechanism.

Module: DFHBRAI
XMEOUT Parameters: date, time, applid, userid, tranid, urmname
Destination: CSBR

Explanation: The Bridge facility autoinstall URM is disabled (other than as a result of an error detected by the bridge).

System action: This prevents the autoinstalling of new bridge facilities, as well as the other functions of the autoinstall exit.

User response: The probable cause of this is either that the URM was disabled by the operator, or as a result of some action of one of the other functions of the autoinstall URM.

The mechanism can be re-started by enabling the URM. Alternatively the command SET AUTOINSTALL AIBRIDGE(AUTO) can be issued to allow autogeneration of bridge facilities.

Module: DFHBRAI
XMEOUT Parameters: date, time, applid, userid, tranid, urmname
Destination: CSBR
**DFHBR0205** date time applid userid tranid Bridge facility autoinstall URM urmname returned an invalid termid name termid. The name contains invalid characters.

Explanation: The Bridge facility autoinstall URM returned an invalid termid. See the *CICS External Interfaces Guide* for a description of the valid character set for Bridge facility termids.

System action: The request fails. If it is using the Link3270 mechanism the request fails with a reason code of BRIHRC-TERMID-INVALID. Other bridge mechanisms fail with an ABRU abend code.

User response: Correct the URM so that it generates or accepts valid termid names from clients.

Module: DFHBRAI

XMEOUT Parameters: date, time, applid, userid, tranid, urmname, termid

Destination: CSBR

**DFHBR0206** date time applid userid tranid Bridge facility autoinstall URM urmname returned an invalid netname netname. The name contains invalid characters.

Explanation: The Bridge facility autoinstall URM returned an invalid netname. See the *CICS External Interfaces Guide* for a description of the valid character set for Bridge facility netnames.

System action: The request fails. If it is using the Link3270 mechanism the request fails with a reason code of BRIHRC-TERMID-INVALID. Other bridge mechanisms fail with an ABRU abend code.

User response: Correct the URM so that it generates or accepts valid netnames from clients.

Module: DFHBRAI

XMEOUT Parameters: date, time, applid, userid, tranid, urmname, netname

Destination: CSBR

**DFHBR0207** date time applid userid tranid Bridge facility autoinstall URM urmname returned termid termid netname netname.

Explanation: The Bridge facility autoinstall URM returned termid and netname. This information is for audit purposes only.

System action: The name is used when running the user transaction.

User response: None.

Module: DFHBRAI

XMEOUT Parameters: date, time, applid, userid, tranid, urmname, termid, netname

Destination: CSBR

**DFHBR0208** date time applid userid tranid Bridge facility autoinstall URM urmname rejected termid termid netname netname.

Explanation: The Bridge facility autoinstall URM returned a non zero return code to reject termid and netname.

System action: The Link3270 request is rejected with a return code of brihrc_ai_rejected.

User response: None.

Module: DFHBRAI

XMEOUT Parameters: date, time, applid, userid, tranid, urmname, termid, netname

Destination: CSBR

**DFHBR0204** date time applid Transaction transaction routing definition conflicts with Bridge Link3270 routing requirements.

Explanation: The client request to execute the transaction in the BRIH cannot be routed to the AOR region because the transaction definition routing information conflicts with the routing information for the bridge facility.

The first application transaction definition that uses a bridge facility is used to determine where all transactions that use that facility are to be executed. The transaction definition of the transaction that the client has supplied in the BRIH conflicts with that definition.

All transactions that are to be executed under a bridge facility must have the same routing characteristics as the first transaction executed under the bridge facility.

System action: The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response: Ensure that the transaction definition of all transactions that are to be used by a bridge facility do not cause routing conflicts.

Module: DFHBRAI

XMEOUT Parameters: date, time, applid, userid, tranid, urmname, termid, netname

Destination: CSBR

**DFHBR0203** date time applid Transaction transaction routing program program prog has abended with abend code abend.

Explanation: The dynamic transaction routing program has abnormally terminated with abend code abcode.

System action:
If the dynamic transaction routing program was processing a route selection, a route selection error or a route notify request at the time of the abend, the BRIH returned to the client will contain information to enable the client to identify the reason for the error.

If the dynamic routing program was processing a route terminate or route abend request at the time of the abend, the BRIH returned to the client will not contain information about the dynamic transaction routing program abend.

User response: See the description of abend code abcode for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Module: DFHBRMR

XMEOUT Parameters: date, time, applid, prog

Destination: CSBR

---

Dynamic transaction routing program prog must be AMODE=31.

Explanation: CICS has failed to link to the dynamic transaction routing program because it is not AMODE 31.

System action:
1. If making a route selection, route selection error or route notify link to the dynamic transaction routing program, the BRIH returned to the client will contain information to enable the client to identify the reason for the error.

User response: Recompile and link edit the dynamic transaction routing program to AMODE 31.

---

Dynamic transaction routing program prog fetch failed.

Explanation: CICS was unable to load the dynamic transaction routing program.

System action:
1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response: Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS.

Module: DFHBRMR

XMEOUT Parameters: date, time, applid, prog

Destination: CSBR

---

Dynamic transaction routing program prog is disabled.

Explanation: The dynamic transaction routing program was disabled.

System action:
1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client contains information to enable the client to identify the reason for the error.
2. If making a route terminate or route abend link to the dynamic routing program, the BRIH returned to the client does not contain information about the failed link to the dynamic transaction routing program.

**User response:** Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS and is enabled.

**Module:** DFHBRMR
**XMEOUT Parameters:** date, time,applid, prog
**Destination:** CSBR

DFHBR0415  date time applid Dynamic transaction routing program prog is defined as remote.

**Explanation:** The dynamic transaction routing program was defined as remote.

**System action:**
1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client contains information to enable the client to identify the reason for the error.
2. If making a route terminate or route abend link to the dynamic routing program, the BRIH returned to the client does not contain information about the failed link to the dynamic transaction routing program.

**User response:** Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS.

**Module:** DFHBRMR
**XMEOUT Parameters:** date, time,applid, prog
**Destination:** CSBR

DFHBR0431  date time applid Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system was out of service.

**Explanation:** The Bridge Link3270 request has been routed to a remote CICS region. An irrecoverable error occurred during the conversation with the mirror program DFHBRMP (for example, if a session fails, or the server region fails).

**System action:** The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response:** After the connection has been restored the client can issue a resend message request to determine the status of the application transaction in the AOR.

**Module:** DFHBRMR
**XMEOUT Parameters:** date, time,applid, tranid, sysid
**Destination:** CSBR

DFHBR0430  date time applid Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system could not be found in the intersystem table.

**Explanation:** The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote system could not be found in the intersystem table.

**System action:** The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response:** Ensure that the connection definitions are correct and that the dynamic transaction routing URM supplies a valid system for the request.

**Module:** DFHBRMR
**XMEOUT Parameters:** date, time,applid, tranid, sysid
**Destination:** CSBR

DFHBR0427  date time applid The Bridge Link3270 connection for request allocate_facility ( | request delete_facility ( | request continue_conversation ( | request get_more_message ( | request resend_message ( | transaction | tranid) to system | to system }sysid) has failed.

**Explanation:** The Bridge Link3270 request has been routed to a remote CICS region. An irrecoverable error occurred during the conversation with the mirror program DFHBRMP (for example, if a session fails, or the server region fails).

**System action:** The BRIH returned to the client contains information to enable the client to identify the reason for the error.
DFHBR0432 • DFHBR0436

User response: Investigate the reason for the remote system being out of service.

When the remote system is back in service the client can retry the Bridge Link3270 request.

Module: DFHBRMR

XMEOUT Parameters: date, time, applid, tranid, sysid

Destination: CSBR

DFHBR0432  

Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the session allocation was rejected.

Explanation: The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote session allocation was rejected.

System action: The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response: Investigate the reason for the rejection of the allocation of the session.

The transaction definition queuelimit value and global user exit ZXIQUE can be used to control the size of the session queue and decide if a request is to be rejected or not. Refer to the CICS Resource Definition Guide, the CICS Customization Guide and the CICS Intercommunication Guide manuals for further information.

Module: DFHBRMR

XMEOUT Parameters: date, time, applid, tranid, sysid

Destination: CSBR

DFHBR0433  

Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system did not support the function.

Explanation: The transaction tranid supplied by the client in the BRIH is defined as remote. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote system did not support the function. The remote system would not support the function for one of the following reasons.

1. The remote system is connected via a LUTYPE 6.1 connection.
2. The remote system does not support the Bridge Link3270 function.

System action: The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response: Ensure that the dynamic transaction routing program does not route Bridge Link3270 request over TYPE6.1 connections and that the requests are routed to a remote region that is at the correct level to support Bridge Link3270 requests.

Module: DFHBRMR

XMEOUT Parameters: date, time, applid, tranid, sysid

Destination: CSBR

DFHBR0434  

Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8 on the first route selection call.

Explanation: The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8 during the route selection call. An attempt to
User response: Ensure that the connection definitions are correct and that the dynamic transaction routing program URM supplies matching sysid and netname values.

Module: DFHBRMR

XMEOUT Parameters: date, time,applid, tranid, sysid, netname

Destination: CSBR

**DFHBR0502**  
*date applid* Not authorized to access file *filename*.

Explanation: The external security manager would not allow the file to be accessed.

System action: The BRIH returned to the client contains an unsuccessful return code.

User response: If the user should have access to the file, allow access and retry the transaction.

Module: DFHBRNS

XMEOUT Parameters: date, time, applid, filename

Destination: CSBR
**DFHBR0503**

**Destination:** CSBR

**DFHBR0503** *date time applid* File *filename* is full.

**Explanation:** The file is full. New records cannot be added to the file.

**System action:** The BRIH returned to the client contains an unsuccessful return code.

**User response:** Increase the size of the file and retry the failed transaction.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid, filename*

**Destination:** CSBR

---

**DFHBR0504** *date time applid* File *filename* record has been suppressed by user exit.

**Explanation:** A user exit has suppressed the writing of records to the file.

**System action:** The BRIH returned to the client contains an unsuccessful return code.

**User response:** The exit should not be allowed to suppress records being written to the file.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid, filename*

**Destination:** CSBR

---

**DFHBR0505** *date time applid* Bridge facility ranges have reached percent percent of total allocation.

**Explanation:** Bridge facilities are allocated in ranges. The allocation of the Bridge facility range has increased the number of allocated ranges above the warning threshold. The message gives the percentage of available ranges that have been allocated if the allocation causes the percentage to increase above 90%. The message is reissued for every allocation that causes a percentage point increase in available ranges that have been allocated.

**System action:** The user transaction continues.

**User response:** This is an indication that the CICS regions that are sharing file DFHBRNSF are reaching the limit of the number of allocation ranges.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid, percent*

**Destination:** Console and Transient Data Queue CSBR

---

**DFHBR0506** *date time applid* Bridge facility ranges have reduced below percent percent of total allocation.

**Explanation:** Bridge facilities are allocated in ranges. A release of a Bridge facility range has caused the number of available ranges to fall below a warning threshold.

**System action:** The user transaction continues.

**User response:** The number of available Bridge facility ranges is increasing.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid, percent*

**Destination:** Console and Transient Data Queue CSBR

---

**DFHBR0507** *date time applid* All Bridge facility ranges have been allocated.

**Explanation:** Bridge facilities are allocated in ranges. The allocation of the Bridge facility range failed because all ranges have been allocated.

**System action:** The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response:** The request can be retried when Bridge facility ranges are available for allocation.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid*

**Destination:** Console and Transient Data Queue CSBR

---

**DFHBR0508** *date time applid* File *filename* is not available. Sysid *sysid* error.

**Explanation:** The attempt to access the remote file failed with a sysiderr.

**System action:** The file is not available. The BRIH returned to the client contains an unsuccessful return code.

**User response:** Investigate the error which caused the file to be made unavailable. Correct the cause of the problem and retry the failed transaction.

**Module:** DFHBRNS

**XMEOUT Parameters:** *date, time, applid, filename, sysid*

**Destination:** CSBR

---

**DFHBR0509** *date time applid* You are approaching or have reached the maximum number of times a Link3270 bridge routing region can be started.

**Explanation:** The maximum number of times Link3270 bridge routing regions that use the same DFHBRNSF data set can be started is approaching or has already been reached. An invalid facilitetoken is allocated if the
number of times these CICS routing regions are connected (connection_number), exceeds the maximum.

This message is issued if you have exceeded 90% of the available times routing regions using the same DFHBRNSF data set can be started.

**System action:** The Link3270 bridge request continues to be processed. When 100% of the available times routing regions, using the same DFHBRNSF data set, can be started is reached, the request abends AEXZ.

**User response:** At a convenient time, stop all regions that use the Link3270 bridge routing data set, DFHBRNSF, and redefine it. This resets connection_number to 0. Restart your routing regions.

**Module:** DFHBRNS

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CSBR

---

### DFHCAnnnn messages

**DFHCA4800 I** date time applid tranid New group grpname created.

**Explanation:** A new group grpname has been created on the CSD.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, grpname

**Destination:** CSMT

**DFHCA4801 I** date time applid tranid New list lstname created.

**Explanation:** A new list lstname has been created on the CSD.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, lstname

**Destination:** CSMT

**DFHCA4802 E** date time applid tranid name is an invalid name.

**Explanation:** The name name in the command is invalid.

**System action:** Processing continues.

**User response:** Specify a valid name.

---

**DFHBR0601 • DFHCA4805 E**

**Explanation:** The Bridge Link3270 has detected a security error. A different userid than the one that allocated the Bridge Link3270 facility is attempting to use that facility.

**System action:** The request is rejected and the BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response:** Ensure that the same user that allocated the Bridge Link3270 facility is the only user that uses that facility.

**Module:** DFHBRFR, DFHBRMP

**XMEOUT Parameters:** date, time, applid, userid1, userid2

**Destination:** CSBR

---

**DFHCAnnnn messages**

**DFHCA4801 I** date time applid tranid New group

**Explanation:** A new group grpname has been created on the CSD.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, grpname

**Destination:** CSMT

**DFHCA4803 E** date time applid tranid Install failed because an existing definition for file filename could not be deleted.

**Explanation:** An attempt was made to install file filename. File filename already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

If the file is the Local Request Queue file (DFHLRQ), it is not possible to re-install it even if the file is closed and disabled.

**System action:** The install fails.

**User response:** Rectify the problem and try the install again.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, filename

**Destination:** CSMT

**DFHCA4805 E** date time applid tranid Unable to perform operation: name is locked to APPLID applid, OPID opid to prevent updating.

**Explanation:** An attempt has been made to lock, or update, a group or a list that is currently locked to another user.
DFHCA4806 E  DFHCA4811 E

**System action:** Processing continues.

**User response:** Reenter the command when the group or the list is not locked.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, name, applid, opid

**Destination:** CSMT

<table>
<thead>
<tr>
<th>DFHCA4806 E</th>
<th>date time applid tranid Group name grpname exists as a LIST name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> An EXEC CICS CSD command specified a group name that is not valid because a list of the same name exists in the CSD.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> Processing continues.</td>
<td></td>
</tr>
<tr>
<td><strong>User response:</strong> Reenter the command with a different group name.</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong> DFHAMP</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong> date, time, applid, tranid, grpname</td>
<td></td>
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<tr>
<td><strong>Destination:</strong> CSMT</td>
<td></td>
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</tbody>
</table>

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<thead>
<tr>
<th>DFHCA4807 E</th>
<th>date time applid tranid Install failed for LSRPOOL with LSRPOOLNUM(lsrpoolnum). The MAXKEYLENGTH is less than 22 which is incorrect for use by the CSD.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> An attempt to install an LSRPOOL with LSRPOOLNUM lsrpoolnum has failed. The system detected that the installation of this LSRPOOL would cause the CSD to become not readable. The MAXKEYLENGTH parameter on this LSRPOOL definition is invalid for an LSRPOOL used by the CSD.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> This install fails and the previous LSRPOOL definition remains installed.</td>
<td></td>
</tr>
<tr>
<td><strong>User response:</strong> The MAXKEYLENGTH parameter on the LSRPOOL definition must be at least 22 as this is the keylength required by the CSD. To resolve this problem, either change the LSRPOOL definition to have a MAXKEYLENGTH of 22 or greater, or change the DFHCSD file definition to use RLS or NSR.</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong> DFHAMP</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong> date, time, applid, tranid, lsrpoolnum</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong> CSMT</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCA4808 E</th>
<th>date time applid tranid Object already exists in this group.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> An attempt has been made to define an object in a group, but an object with the same name already exists.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> Processing continues.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCA4809 E</th>
<th>date time applid tranid Date/time fields do not match (object updated by another user).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The definition of an object on the CSD has been changed while the user was altering the definition.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> Processing continues.</td>
<td></td>
</tr>
<tr>
<td><strong>User response:</strong> Reenter the command if the change is still necessary.</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong> DFHAMP</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong> date, time, applid, tranid</td>
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<tr>
<td><strong>Destination:</strong> CSMT</td>
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</tbody>
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<thead>
<tr>
<th>DFHCA4810 E</th>
<th>date time applid tranid Object not found (deleted by another user).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The definition of an object on the CSD has been deleted while the user was altering the definition.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> Processing continues.</td>
<td></td>
</tr>
<tr>
<td><strong>User response:</strong> Determine why the definition has been deleted. Recreate and update the object if necessary.</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong> DFHAMP</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong> date, time, applid, tranid</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong> CSMT</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>DFHCA4811 E</th>
<th>date time applid tranid name1 does not contain name2.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The required object name2 could not be found on the CSD in group name1.</td>
<td></td>
</tr>
<tr>
<td><strong>System action:</strong> Processing continues.</td>
<td></td>
</tr>
<tr>
<td><strong>User response:</strong> Determine why the definition cannot be found.</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong> DFHAMP</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong> date, time, applid, tranid, name1, name2</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong> CSMT</td>
<td></td>
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</tbody>
</table>

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**DFHCA4812 W**

*Install of LIBRARY libname encountered a data set {allocation | concatenation | open} failure. The LIBRARY is installed but disabled.*

**Explanation:** Install of the dynamic LIBRARY resource *libname* has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. The error occurred while attempting to do one of the following:

- Allocate a data set that was defined as one of the DSNAME attributes in the LIBRARY resource definition
- Concatenate the data sets together
- Open the LIBRARY concatenation.

The message text indicates which of these errors has occurred. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action:** Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY *libname* will not be loaded from this LIBRARY.

**User response:** Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY *libname* to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP

**XMEOUT Parameters:** *date, time, applid, tranid, libname*  
**Destination:** CSMT

---

**DFHCA4813 W**

*Install of LIBRARY libname encountered an MVS ABEND. The LIBRARY is installed but disabled.*

**Explanation:** Install of the dynamic LIBRARY resource *libname* has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action:** Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY *libname* will not be loaded from this LIBRARY.

**User response:** Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY *libname* to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP

**XMEOUT Parameters:** *date, time, applid, tranid, libname*  
**Destination:** CSMT

---

**DFHCA4814 E**

*List name listname exists as a group name.*

**Explanation:** An EXEC CICS CSD command attempted to create a LIST but this failed because a group of the same name already exists in the CSD.

**System action:** Processing continues.

**User response:** Re-issue the command with a valid list name.

**Module:** DFHAMP

**XMEOUT Parameters:** *date, time, applid, tranid, listname*  
**Destination:** CSMT

---

**DFHCA4815 E**

*Group grpname not found in this list.*

**Explanation:** The AFTER/BEFORE name entered in the command could not be found in this list.

**System action:** Processing continues.

**User response:** Reenter the command with a group name that exists on this list.

**Module:** DFHAMP

**XMEOUT Parameters:** *date, time, applid, tranid, grpname*  
**Destination:** CSMT

---

**DFHCA4816 E**

*Unable to install group grpname - group not found.*

**Explanation:** The LIST specified on an EXEC CICS CSD INSTALL LIST command contains an unusable group name *grpname*. CICS cannot find group *grpname* because no resources are defined as belonging to it.

**System action:** Processing continues.

**User response:** If you do not require group *grpname*, no action is required.

If group *grpname* is essential, determine why it is empty and attempt a separate install.
DFHCA4817 E  date time applid tranid Install of LIBRARY libname failed with an MVS ABEND. The LIBRARY is not installed.

Explanation: Install of the dynamic LIBRARY resource libname has failed because of an MVS ABEND. Due to the error, the LIBRARY has not been installed, which means that it will not participate in the search order used when loading programs and program artifacts.

System action: Processing continues. This LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response: Examine the messages issued by the Loader domain to determine the type of MVS abend that occurred during install processing for this LIBRARY. When the problem has been resolved, re-install LIBRARY libname in order for the LIBRARY to participate in the dynamic library search order process.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid, grpname
Destination: CSMT

DFHCA4819 E  date time applid tranid Group already exists in this list.

Explanation: The group already exists in the list.

System action: Processing continues.

User response: Determine why the group exists and reenter the command, perhaps with a different group name.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid
Destination: CSMT

DFHCA4820 S  date time applid tranid Unable to perform request - CSD full.

Explanation: The CSD file is full.

System action: Processing continues.

User response: Reenter the command when more space is available.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid
Destination: CSMT

DFHCA4821 S  date time applid tranid Unable to perform request - Insufficient function in file definition for DFHCSD.

Explanation: An EXEC CICS CSD command that required more function than is currently defined for the CSD file was issued.

The most likely causes of this error are an incorrectly coded CSDACC parameter in the SIT, or that a SET FILE command for DFHCSD has changed the allowable functions.

User response: Determine whether the required function should have been allowed and, if necessary, modify CSDACC or use CEMT SET FILE to change the attributes of DFHCSD.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid
Destination: CSMT

DFHCA4822 S  date time applid tranid Unable to perform request - File Control has returned an INVREQ response.

Explanation: The file control file request handler (DFHFCFR) does not have sufficient function to support the command entered.

System action: The command is ignored.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid
Destination: CSMT

DFHCA4823 S  date time applid tranid Unable to perform request - DFHCSD not open.

Explanation: The CSD file (DFHCSD) is not open.

System action: Other processing continues.

User response: Ask the master terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Module: DFHAMP
XMEOUT Parameters: date, time,applid, tranid
Destination: CSMT

DFHCA4824 S  date time applid tranid Group grpname not found.

Explanation: The group name grpname in the command could not be found.

System action: The command is ignored.
Chapter 4. DFH messages - DFH01 to DFHM

DFHCA4829 S • DFHCA4834 E

DFHCA4829 S  date time applid tranid Storage violation. CSD primary control record not updated.

Explanation:  The in-store version of the CSD primary record was corrupted.

System action:  The version on the CSD was not updated and is not necessarily affected.

User response:  None.

Module:  DFHAMP

XMEOUT Parameters:  date, time, applid, tranid, grpname

Destination:  CSMT

DFHCA4830 E  date time applid tranid restype resname already exists in the target group.

Explanation:  The COPY operation could not be performed because a duplicate has been found in the target group.

System action:  The COPY command is ignored.

User response:  Reenter the command specifying DUPREPLACE or DUPNOREPLACE on the DUPACTION keyword.

Module:  DFHAMP

XMEOUT Parameters:  date, time, applid, tranid, restype, resname

Destination:  CSMT

DFHCA4831 E  date time applid tranid The new name name is longer than the four characters allowed for restype names.

Explanation:  The specified name name is invalid because it is longer than four characters.

System action:  The command is ignored.

User response:  Enter a valid name.

Module:  DFHAMP

XMEOUT Parameters:  date, time, applid, tranid, name, restype

Destination:  CSMT

DFHCA4832 E  date time applid tranid Unable to open TDQUEUE tdqname because the DFHINTRA data set is not open.

Explanation:  An attempt to install the transient data queue tdqname on the CICS system has been rejected because the DFHINTRA data set is not open.

System action:  Processing continues. The definition is not installed.

User response:  It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.

Module:  DFHAMP

XMEOUT Parameters:  date, time, applid, tranid, tdqname

Destination:  CSMT

DFHCA4833 E  date time applid tranid A security error has occurred while attempting to install {TDQUEUE | URIMAP} resourcename. The definition has not been installed.

Explanation:  An attempt to install the resource resourcename on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.

System action:  Processing continues. The definition is not installed.

User response:  Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.

Module:  DFHAMP

XMEOUT Parameters:  date, time, applid, tranid, {1=TDQUEUE,10=URIMAP}, resourcename

Destination:  CSMT

DFHCA4834 E  date time applid tranid Install of {TDQUEUE \ PROCSSTYP \ LIBRARY \ URIMAP \ ATOMSERVICE} resourcename failed because the installed definition is not disabled.

Explanation:  An attempt to install the resource resourcename on the CICS system has failed because the resource is not disabled.

System action:  Processing continues. The definition is not installed.

User response:  The specified resource must be disabled before it can be installed. Ensure that the
resource is in the required state and then install the new definition.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, [1=TDQUEUE, 2=PROCESSTYPE, 5=LIBRARY, 10=URIMAP, 11=ATOMSERVICE], resourcename

Destination: CSMT

---

**DFHCA4836**  date time applid tranid Install of DB2CONN db2conn-name failed because a DB2CONN is already installed and is in use.

**Explanation:** An attempt to install the DB2CONN db2conn-name on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.

**System action:** Processing continues. The definition is not installed.

**User response:** Only one DB2CONN can be installed on the CICS system at a time. The install of a second DB2CONN implies the discarding of the first DB2CONN and all its associated DB2ENTRYs and DB2TRANs.

A DB2CONN definition can be replaced or discarded only when it is not in use by the CICS-DB2 adapter. Ensure that the CICS-DB2 interface has been stopped before trying to install a DB2CONN definition.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, db2conn-name

Destination: CSMT

---

**DFHCA4838**  date time applid tranid Install of DB2ENTRY db2entry-name failed because an existing definition could not be deleted. The existing definition is not disabled.

**Explanation:** An attempt to install the DB2ENTRY db2entry-name on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

**System action:** Processing continues. The definition is not installed.

**User response:** Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, db2entry-name

Destination: CSMT

---

**DFHCA4839**  date time applid tranid List listname not found.

**Explanation:** An EXEC CICS CSD INSTALL LIST command named a list listname that does not exist in the CSD file.

**System action:** Processing continues.

**User response:** Enter a valid list name.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, listname

Destination: CSMT

---

**DFHCA4840**  date time applid tranid Group grpname not appended - group already exists in target list.

**Explanation:** The group grpname already exists in the target list.

**System action:** The group definition is not appended.

**User response:** None.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, grpname

Destination: CSMT

---

**DFHCA4841**  date time applid tranid Install failed because definition of restype resname is in use by task no. taskno (transaction id. tranid).

**Explanation:** An attempt was made to install object definition restype resname on the CICS system, but the
installation failed because a read lock was held on that
definition by task taskno.

System action: No definitions have been installed.
User response: Try the command again later.
Module: DFHAMP
XMEOUT Parameters: date, time, applid, tranid, resname, taskno, tranid
Destination: CSMT

DFHCA4842 E date time applid tranid Install failed because restype resname is currently in use.

Explanation: An attempt was made to install object definition restype resname on the CICS system, but the installation failed because the object was in use.

System action: No definitions have been installed.
User response: Try the command again later.
Module: DFHAMP
XMEOUT Parameters: date, time, applid, tranid, resname
Destination: CSMT

DFHCA4851 W date time applid tranid Install of (DB2ENTRY | DB2TRAN | DB2CONN | LIBRARY | ATOMSERVICE) name failed because of a security error.

Explanation: An attempt to install the ATOMSERVICE, DB2CONN, DB2TRAN, or LIBRARY name on the CICS system has been rejected because of an error encountered while performing a security check.

System action: Processing continues. The definition is not installed.
User response: See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.
Module: DFHAMP
XMEOUT Parameters: date, time, applid, tranid, (1=DB2ENTRY,2=DB2TRAN, 3=DB2CONN, 5=LIBRARY,11=ATOMSERVICE), name
Destination: CSMT

DFHCA4852 W date time applid tranid restype name resname begins with 'DFH'. Such names are reserved and may be redefined by CICS.

Explanation: A name beginning with DFH was specified.

System action: If the definition is installed, errors may occur.
User response: Names beginning with “DFH” are reserved and may be redefined by CICS. You should avoid starting names with “DFH”.
Module: DFHAMP
XMEOUT Parameters: date, time, applid, tranid, GROUP/LIST, name, opid, applid
Destination: CSMT

DFHCA4853 E date time applid tranid Install of DB2TRAN db2tran-name failed because another DB2TRAN is installed with the same transid.

Explanation: An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because there is another DB2TRAN installed that specifies the same transid. You cannot install two DB2TRANs
Module: DFHAMP

DFHCA4855 W  date time applid tranid The specified GROUP or LIST contains no DB2TRAN definitions.

Explanation: The specified GROUP or LIST contains no DB2TRAN definitions.

User response: None.

Module: DFHAMP

DFHCA4859 S  date time applid tranid Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.

Explanation: Insufficient VSAM strings are available to allow the EXEC CICS CSD command to proceed.

User response: Wait until other CSD users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent transactions that access the CSD in the SIT.

Module: DFHAMP

DFHCA4860 W  date time applid tranid The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

Explanation: The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

User response: A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be successfully installed. Ensure a DB2CONN definition is placed in a group before all DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

Module: DFHAMP

DFHCA4863 I  date time applid tranid name is now locked. No group or list of that name exists.

Explanation: The LOCK command executed successfully, but no group or list of name name was found on the CSD file.

System action: The name is locked.

User response: None.

Module: DFHAMP
DFHCA4866 E  date time applid tranid Unable to perform operation: name is IBM protected.

Explanation: The user has attempted to change the contents of a group or list whose name begins with “DFH”. These are IBM-protected.

System action: The command is not executed.

User response: You can copy from IBM-supplied groups or lists and change the copied group or list.

Module: DFHAMP

DFHCA4867 E  date time applid tranid File name DFHCSD is reserved and must not be modified.

Explanation: You cannot define the CSD on the CSD itself.

System action: The command is not executed.

User response: Define DFHCSD via SIT options.

Module: DFHAMP

DFHCA4869 E  date time applid tranid Single resource install of restype resname in group grpname is not allowed.

Explanation: The install of restype resname is not allowed via single resource install. It must be installed via group install.

System action: The command is not executed.

User response: Install group grpname via group install.

Module: DFHAMP

DFHCA4871 W  date time applid tranid File filename has been installed but set filename failed.

Explanation: Setting DSNAME and ENABLED takes place separately from the main part of INSTALL for a FILE, and can fail.

System action: The file is installed but its state is not set.

Module: DFHAMP

DFHCA4872 S  date time applid tranid Unable to connect to CICS catalog.

Explanation: DFHAMP was unable to connect to the CICS catalog for terminal installs.

System action: CICS terminates.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

DFHCA4873 S  date time applid tranid Unable to disconnect the CICS catalog.

Explanation: DFHAMP was unable to disconnect the CICS catalog for terminal installs.

System action: CICS terminates.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAMP

DFHCA4874 E  date time applid tranid Install of {TSMODEL | ENQMODEL} rsrce-name1 failed because {PREFIX | ENQNAME} attribute-name already exists in {TSMODEL | ENQMODEL} rsrce-name2.

Explanation: An attempt to install the resource rsrce-name1 on the CICS system has failed because the attribute attribute-name already exists in the installed resource rsrce-name2.

If the resource being installed is an ENQMODEL, another ENQMODEL with the same or a more generic nested enqname is installed and enabled.

System action: Processing continues. The definition is not installed.

User response: If you are sure you need to install resource rsrce-name1 you need to discard resource rsrce-name2 before attempting the re-install.

Module: DFHAMP
DFHCA4875 E • DFHCA4880 S

XMEOUT Parameters: date, time, applid, tranid, 
{2=TSMODEL, 3=ENQMODEL}, rsrce-name1, 
{2=PREFIX, 3=ENQNAME}, attribute-name, 
{2=TSMODEL, 3=ENQMODEL}, rsrce-name2

Destination: CSMT

DFHCA4875 E  date time applid tranid Unable to perform operation: name is currently being updated by applid applid OPID opid - please retry later.

Explanation: The command which you issued cannot be performed because a user of CEDA or another EXEC CICS CSD command is currently changing the contents of the group/list to which you referred.

System action: The command is not executed.

User response: Try the command again.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, name, applid, opid

Destination: CSMT

DFHCA4876 W  date time applid tranid PARTNER partnername specifies NETNAME netname which is not found in any CONNECTION definition that specifies access method = VTAM.

Explanation: There is no VTAM connection within the current group for the netname referenced in the specified partner.

System action: Other processing continues.

User response: None.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, partnername, netname

Destination: CSMT

DFHCA4877 W  date time applid tranid PARTNER partnername specifies a NETNAME and PROFILE for which there is no common implied SESSIONs definition.

Explanation: The netname in a partner definition implies an associated connection definition which is in turn associated with a session definition. The profile definition referenced in a partner definition specifies a modename which can be associated with a sessions definition.

Within the current group, there is no common sessions definition implied by the specified partner definition.

System action: Other processing continues.

User response: None.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, partnername

Destination: CSMT

DFHCA4878 E  date time applid tranid Install of [IPCONN] resourcename failed because one with this name is already installed and is in use.

Explanation: An attempt to install the resource specified, resourcename, on the CICS system has failed because there is already an existing resource of this name installed and in use.

System action: Processing continues. The definition is not installed.

User response: The specified resource definition can be replaced or discarded only when it is out of service. Put the resource out of service before attempting to re-install it.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, [GROUP | LIST], name

Destination: CSMT

DFHCA4879 W  date time applid tranid [GROUP | LIST] name has been partially installed.

Explanation: During the execution of an INSTALL command for the group or list name, some of the elements in the group or list installed successfully, but at least one failed.

System action: Messages are produced indicating why the element or elements failed to install.

User response: Use the messages already produced to determine why the install failed and to rectify the problem.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, [GROUP | LIST], name

Destination: CSMT

DFHCA4880 S  date time applid tranid Unable to perform operation - not allowed by file attributes for DFHCSD.

Explanation: The CSDACC parameter in the system initialization table for DFHCSD does not allow execution of the specified EXEC CICS CSD command. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following READWRITE READONLY
In order for a particular command to function, the access must be set appropriately.

**System action:** The command is ignored.

**User response:** Correct the CSDACC parameter in the SIT. The DFHCSD is defined in the bringup JCL and/or in the SIT.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid

**Destination:** CSMT

---

**Explanation:** The Group grpname has been deleted from the CSD.

**System action:** Processing continues.

**User response:** Check that the deleted group is not present on any list.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, name

**Destination:** CSMT

---

**Explanation:** The List listname has been deleted from the CSD.

**System action:** Processing continues.

**User response:** Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, listname

**Destination:** CSMT

---

**Explanation:** The name resname you have selected for resource type restype is reserved by CICS.

**System action:** The command is rejected.

**User response:** Redefine resname and resubmit the command.

**Module:** DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, restype, resname

**Destination:** CSMT
DFHCA4888 I  DFHCA4893 I

**Explanation:** During the execution of a DELETE command, the group **groupname** was deleted from the CSD. As a result of that, the list **listname** was updated to remove the deleted group from it.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, **groupname**, **listname**  
**Destination:** CSMT

---

DFHCA4889 E  date time applid tranid Install of  
[JOURNALMODEL | TSMODEL |  
TCPIPSERVICE | CORBASERVER |  
IPCONN | URIMAP] resourcename failed  
because attribute attname is invalid.

**Explanation:** An attempt to install the JOURNALMODEL, TSMODEL, TCPIPSERVICE, CORBASERVER, IPCONN, or URIMAP named **resourcename** on the CICS system failed because the attribute **attname** specified is not valid. If the attribute is CERTIFICATE, this may be due to one of the following reasons:

- The specified certificate does not exist
- The specified certificate is not properly constructed
- The specified certificate does not have an associated private key
- The specified certificate is not connected to the key ring with a correct USAGE.

**System action:** The definition is not installed.

**User response:** Correct the invalid parameter of the resource definition.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, **resourcename**, **attribute**, **attname**  
**Destination:** CSMT

---

DFHCA4890 E  date time applid tranid Install of  
TDQUEUE tdqname failed because the  
TYPE has not been specified.

**Explanation:** An attempt to install the named TDQUEUE **tdqname** on the local CICS system failed because it has been defined with the REMOTESYSTEM attribute and the TYPE cannot be determined.

**System action:** The definition is not installed.

**User response:** Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, **tdqname**  
**Destination:** CSMT

---

DFHCA4891 W  date time applid tranid Install for group  
grpname has completed with errors.

**Explanation:** The install of group **grpname** is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.

**System action:** CICS continues. CICS issues messages identifying the cause of each installation failure.

**User response:** Use the associated messages issued to transient data queue CSMT to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, **grpname**  
**Destination:** CSMT

---

DFHCA4892 W  date time applid tranid Install for group  
grpname has completed successfully.

**Explanation:** The install of group **grpname** is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.

**System action:** CICS continues

**User response:** None

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, **grpname**  
**Destination:** CSMT

---

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**Destination:** CSMT

**DFHCA4894 E**  
*date time applid tranid Install of  \(\text{ENQMODEL}\) rsrname1 failed because installed (\(\text{ENQMODEL}\) rsrname2 is not disabled.)*

**Explanation:** An attempt to install the resource rsrname1 on the CICS system has failed because the resource rsrname2 is already installed and is not disabled.

**System action:** Processing continues. The definition is not installed.

**User response:** Resource rsrname2 must be disabled or discarded before resource rsrname1 can be installed. Ensure that resource rsrname2 is in the required state and then install the new definition.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, \(\{3=\text{ENQMODEL}, \text{rsrname1}, 3=\text{ENQMODEL}, \text{rsrname2}\}\)  
**Destination:** CSMT

**DFHCA4895 E**  
*date time applid tranid Install of  \(\text{TSMODEL}\) resourcename in group groupname failed because TS was started using an assembled TST without the MIGRATE option.*

**Explanation:** An attempt to install the TSMODEL resource_name in group groupname on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.

**System action:** Processing continues. The definition is not installed.

**User response:** If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the TYPE=(INITIAL,MIGRATE) option or don't specify a TST in your SIT parameters.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, \(\{1=\text{TQUEUE}, 7=\text{TCPIService}\}, \text{resourcename}, \{1=\text{OPENTIME}=\text{INITIAL}, 7=\text{STATUS}=\text{OPEN}\}\)  
**Destination:** CSMT

**DFHCA4897 W**  
*date time applid tranid The definition of (\(\text{TQUEUE}\) \(\text{TCPIService}\) resourcename specified but the open failed.)*

**Explanation:** An attempt to install the resource resourcename on the CICS system has succeeded but the resource cannot be opened.

**System action:** The definition is installed.

**User response:** Determine the cause of the failure and then open the resource.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, \(\{1=\text{TQUEUE}, 7=\text{TCPIService}\}, \text{resourcename}, \{1=\text{OPENTIME}=\text{INITIAL}, 7=\text{STATUS}=\text{OPEN}\}\)  
**Destination:** CSMT

**DFHCA4898 E**  
*date time applid tranid Installation of (\(\text{TQUEUE}\) \(\text{PROCESSTYPE}\) \(\text{LIBRARY}\) \(\text{ATOMSERVICE}\) resourcename failed because of insufficient storage.)*

**Explanation:** An attempt to install the resource resourcename on the CICS system has failed because insufficient storage is available to build the entry.

**System action:** The definition is not installed.

**User response:** Inform your system programmer. See the CICS Problem Determination Guide for guidance on dealing with storage problems.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, \(\{1=\text{TQUEUE}, 2=\text{PROCESSTYPE}, 5=\text{LIBRARY}, 11=\text{ATOMSERVICE}\}, \text{resourcename}\)  
**Destination:** CSMT

**DFHCA4899 E**  
*date time applid tranid TDQUEUE tdqname cannot be replaced because the existing definition is for a different queue type.)*

**Explanation:** An attempt to install the transient data queue tdqname on the CICS system failed because its definition type is different from that of the definition already defined to the system.

**System action:** Processing continues. The definition is not installed.

**Module:** DFHAMP  
**XMEOUT Parameters:** date, time, applid, tranid, tdqname  
**Destination:** CSMT

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System action: The definition is not installed.

User response: Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, tdqname

Destination: CSMT

DFHCA4901 E date time applid tranid Install of REQUESTMODEL resourcename1 failed because a duplicate pattern already exists in resourcename2.

Explanation: An attempt to install the resource resourcename1 on the CICS system has failed because a duplicate pattern has been found in resourcename2.

System action: The definition is not installed.

User response: Verify the patterns being installed for resource resourcename1 against those for resourcename2 before re-trying the install.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, resourcename1, resourcename2

Destination: CSMT

DFHCA4902 E date time applid tranid Install of [CORBASERVER | REQUESTMODEL] resourcename failed because it is not a valid [CORBASERVER | REQUESTMODEL] for this level of CICS.

Explanation: An attempt to install the resource resourcename on this CICS system has failed because it did not contain the attributes required for the current level of CICS. If the resource being defined was a REQUESTMODEL, the error is that the corbaserver name was blank. Having a blank corbaserver name indicates that the requestmodel is not at the correct level for this CICS system. If the resource being defined was a CORBASERVER, the error is that the UNAUTH tcpipsservice name, which is mandatory for this level of CICS, was missing from the definition.

System action: The definition of resource resourcename is not installed.

User response: Ensure that you are using the correct level CSD or redefine the resource resourcename using the new attributes as required.

Module: DFHAMP, DFHAMEJ

XMEOUT Parameters: date, time, applid, tranid, [1=CORBASERVER, 2=REQUESTMODEL], resourcename, [1=CORBASERVER, 2=REQUESTMODEL]

Destination: CSMT

---

DFHCA4903 E date time applid tranid Install for TCPIPSERVICE tcpipsservice has failed because the service is open.

Explanation: The install of TCPIPSERVICE tcpipsservice has failed because the service is open.

System action: The install fails.

User response: Close the service and retry the install.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, tcpipsservice

Destination: CSMT

---

DFHCA4904 W date time applid tranid Opening TCPIPSERVICE tcpipsservice has failed because port portno is already in use.

Explanation: Opening TCPIPSERVICE tcpipsservice has failed because the specified port number is in use.

System action: The resource is installed but left in the closed state. Message DFHSO0109 is issued to the transient data queue CSOO.

User response: Check that the port number specified is not already in use. Refer to the description of the message DFHSO0109 for more information.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, tcpipsservice, portno

Destination: CSMT

---

DFHCA4905 E date time applid tranid Install failed for resource. Option opt is not available on this system.

Explanation: The install of the resource resource has failed because the current CICS system has not been configured to support the specified option opt.

System action: The install fails.

User response: Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.

Module: DFHAMDH

XMEOUT Parameters: date, time, applid, tranid, resource, opt

Destination: CSMT
Opening TCPIPSERVICE has failed because port portno is not authorized.

Explanation: Opening TCPIPSERVICE has failed because the specified port number is not authorized.

System action: The resource is installed and left in the closed state. The message DFHSO0111 is written to the transient data queue CSOO.

User response: Select a port that is authorized. See the description of message DFHSO0111 for more information.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, tcpipservice, portno

Destination: CSMT

Opening TCPIPSERVICE has failed because the IP address is not known.

Explanation: Opening TCPIPSERVICE has failed because either the specified IP address or the specified host is not known. If an IPv6 address is being used either explicitly or because the specified host resolves to an IPv6 address, the open will fail if the TCP/IP stack does not support IPv6.

System action: The resource is installed but left in the closed state. The message DFHSO0110 is written to the transient data queue CSOO.

User response: Check that the TCP/IP stack supports the type of IP address being used and also ensure that the host or IP address is known.

If IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack.

Refer to the description of message DFHSO0110 for more information.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, tcpipservice, {IP address | host}

Destination: CSMT

Install of DOCTEMPLATE doctemplate failed.

Explanation: The install of DOCTEMPLATE has failed because the TEMPLATENAME selected is already in use as the full template name for document template doctemplate2.

System action: The install fails.

User response: Either select a different TEMPLATENAME for doctemplate1, or discard the document template definition for doctemplate2.

Module: DFHAMDH

XMEOUT Parameters: date, time, applid, tranid, doctemplate1, template, doctemplate2

Destination: CSMT

Install of DOCTEMPLATE doctemplate failed.

DDNAME(ddname) not found.

Explanation: The install of DOCTEMPLATE has failed because the DDNAME(ddname) selected is not the name of a Data Definition statement for a partitioned dataset in the JCL for the current CICS job. ddname should be allocated to a PDS containing document templates to be used by the Document Handler domain.

System action: The install fails.

User response: Either select a DDNAME that does exist in the JCL for the current CICS job, or stop and restart CICS with the required DD statement added.

Module: DFHAMDH

XMEOUT Parameters: date, time, applid, tranid, doctemplate, ddname

Destination: CSMT

Install of DOCTEMPLATE doctemplate failed.

MEMBER(membername) not found in ddname.

Explanation: The install of DOCTEMPLATE has failed because member membername was not found in any of the partitioned datasets specified in the ddname concatenation.

System action: The install fails.

User response: Ensure that member membername exists in one of the template libraries specified before installing the DOCTEMPLATE that references it.

Module: DFHAMDH

XMEOUT Parameters: date, time, applid, tranid, doctemplate, membername, ddname

Destination: CSMT

---

Chapter 4. DFH messages - DFH01 to DFHM 401
DFHCA4911 W  Transaction tranid installed but at least one of ALIAS, TASKREQ or XTRANID failed to be replaced because it exists as a primary transaction.

Explanation: Transaction tranid was successfully installed but at least one of the specified aliases (ALIAS, TASKREQ or XTRANID) failed to be installed because it already exists as a primary transaction.

System action: The resource is installed but the alias is not.

User response: Find out which of the aliases is conflicting with a primary transaction id and change its name.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, tranid

Destination: CSMT

DFHCA4912 E  Install of resource resourcename failed because attribute is invalid for this release.

Explanation: An attempt to install the resource named resourcename on this CICS system failed because the attribute specified is not valid as it is an obsolete attribute.

System action: The definition is not installed.

User response: Remove the invalid parameter of the resource definition.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resource, resourcename, attribute

Destination: CSMT

DFHCA4913 E  Install of {IPCONN} resourcename failed because a CONNECTION resource with this name and a different APPLID is already installed.

Explanation: An attempt to install the resource specified, resourcename, on the CICS system has failed because there is already an existing CONNECTION resource of this name installed that has a different APPLID.

System action: Processing continues. The definition is not installed.

User response: An IPCONN and a CONNECTION with the same name must represent the same system, so the IPCONN APPLID and the CONNECTION NETNAME must be the same. Establish which is incorrect and re-install.

Module: DFHAMP

DFHCA4914 E  Install of resourcetype resourcename failed. The specified targetresource is unusable.

Explanation: Resource resourcename cannot be installed because the target resource targetresource with which it is associated is not usable.

System action: The resource is not installed.

User response: Discover why the target resource is not usable. It may not exist, or may not have been defined before it is being used. Create or define the referenced target resource.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcetype, resourcename, targetresource

Destination: CSMT

DFHCA4915 E  Install of resourcetype resourcename failed. Open for data set dsname has abended.

Explanation: Resource resourcename cannot be installed because an abend occurred when opening the data set dsname that contains it.

System action: The resource is not installed.

User response: Look for an earlier IEC143I, IEC144I, IEC145I, IEC148I, IEC150I, or IEC153I message that explains why the dataset could not be opened. Correct whatever problem is described in the related message.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcetype, resourcename, dsname

Destination: CSMT

DFHCA4916 E  TCPIPSERVICE tcpipservice has not been opened because the MAXSOCKETS limit has been reached.

Explanation: TCPIPSERVICE tcpipservice has not been opened because the number of active sockets in the system is equal to the current MAXSOCKETS value.

System action: The resource is installed but left in the closed state.

User response: Determine whether your MAXSOCKETS setting is adequate to handle normal system loads. If it is, then this may be a transient condition caused by a peak in work that uses sockets, and you may be able to use CEMT to open the TCPIPSERVICE once the workload diminishes. If not,
use CEMT SET SYSTEM to increase the number of sockets in the system.

Module: DFHAMP

**XMEOUT Parameters:** date, time, applid, tranid, tcpipservice

**Destination:** CSMT

---

**DFHCA4917 W**  
*date time applid tranid {CORBASEVER | TCPIPSERVICE | IPCONN | URIAMPL} resourcename was installed with a reduced set of CIPHER codes.*

**Explanation:** The specified resource resourcename was installed but the set of cipher codes which the resource was originally defined with has been reduced at install time because the running system did not support all of the ciphers specified.

**System action:** The resource is installed with a reduced set of cipher codes.

**User response:** Determine whether your CIPHERS setting is acceptable.

---

**DFHCA4922 E**  
*date time applid tranid The installation of CORBASEVER cname has failed because the specified {CORBASEVER | STATE | SESSBEANTIME | CERTIFICATE | HOST | SHELF | JNDIPREFIX} is not valid.*

**Explanation:** The installation of CORBASEVER cname has failed because the specified keyword value is not valid.

**System action:** The resource is not installed.

**User response:** Enter valid values for the specified keyword. Nulls are not accepted.

---

**DFHCA4921 E**  
*date time applid tranid The installation of CORBASEVER or DJAR resourcename has failed because the EJ resource resolution transaction, CEJR, could not attach.*

**Explanation:** The installation of CORBASEVER or DJAR resourcename has failed because the specified EJ resource could not be resolved as the resolution transaction, CEJR, failed to attach. The transaction may have been disabled manually to stop resolution, or it may not be defined to your CICS system.

**System action:** The resource is not installed.

**User response:** Ensure that the CEJR transaction is defined and installed on your CICS system and that the program DFHEJITL is also defined and available.

---

**DFHCA4920 E**  
*date time applid tranid The installation of {CORBASEVER | DJAR | PIPELINE | WEBSERVICE | LIBRARY | BUNDLE | JVMSERVER} resourcename has failed because it is a duplicate of one which already exists.*

**Explanation:** The installation of the specified resource resourcename has failed because a resource with this name already exists in your running CICS system.

**System action:** The resource is not installed.

**User response:** For some resources, it is not possible to do an update (add/replace). Select a different resource name which is not known to the system. Or, if you want to use the same resource name, you must discard the resource first. The resource may need to be disabled before it can be discarded or updated.
DFHCA4923 E  DFHCA4928 E

Destination:  CSMT

DFHCA4923 E  date time applid tranid The installation of DJAR dname has failed because the specified CORBASERVER cname does not exist.

Explanation:  DJAR dname has not been installed successfully because the specified DJAR has been defined with a corbaserver which does not exist.

System action:  The resource is not installed.

User response:  Redefine the DJAR with a valid corbaserver name.

Module:  DFHAMP

XMEOUT Parameters:  date, time,applid, tranid, dname, cname

Destination:  CSMT

DFHCA4926 E  date time applid tranid The installation of DJAR dname has failed because the specified CORBASERVER cname is not in a valid state.

Explanation:  DJAR dname has not been installed successfully because the specified DJAR has been defined with a corbaserver which is in an unusable state. Valid STATE values would be anything other than UNUSABLE, UNRESOLVED or DISCARDING.

System action:  The resource is not installed.

User response:  Redefine the DJAR with a corbaserver which is in the correct state. CEMT can be used to inquire on corbaserver STATE values.

Module:  DFHAMP

XMEOUT Parameters:  date, time,applid, tranid, dname, cname

Destination:  CSMT

DFHCA4927 E  date time applid tranid The installation of {CORBASERVER | DJAR} resourcename has failed because its HFSFILE is a duplicate of one which already exists.

Explanation:  The installation of the specified resource resourcename has failed because the specified resource resourcename has a duplicate HFSFILE name.

System action:  The resource is not installed.

User response:  Determine why the HFSFILE name is duplicated.

Module:  DFHAMP

XMEOUT Parameters:  date, time,applid, tranid, dname, resourcename

Destination:  CSMT

DFHCA4928 E  date time applid tranid Install of {TCPIPSERVICE | CORBASERVER | IPCCONN | URIMAP} resourcename failed because the specified certificate is expired | not yet current | not owned by this CICS | not trusted.

Explanation:  Resource resourcename cannot be installed because the specified certificate is unusable. An explanatory phrase in the message describes why expired

The date and time at which the certificate is no longer valid has already passed.
not yet current
   The date and time at which the certificate is to become active has not yet been reached.
not owned by this CICS
   The specified certificate belongs to a user other than the current CICS region userid. Only certificates belonging to the CICS region userid can be used by CICS.
not trusted
   The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

System action: The resource is not installed.
User response: Replace the certificate in the keyring with one that is usable, or specify a different certificate.
Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, {7=TCPIPSERVICE, 8=CORBASEVER, 9=IPCONN, 10=URIMAP}, resourcename, [1=expired, 2=not yet current, 3=not owned by this CICS, 4=not trusted]

Destination: CSMT

DFHCA4929 E  date time applid tranid
   (URIMAP(urimap1) not installed because it maps the same URI as urimap2.

Explanation: URIMAP urimap1 cannot be installed because it will map the same HOST and PATH (and optional TCPIPSERVICE) as urimap2, which is already installed. Each URIMAP must map a unique combination of these parameters.
System action: The resource is not installed.
User response: Specify a different HOST, PATH, or TCPIPSERVICE attribute.
Module: DFHAMP
**DFHCA4934 E**  
`Destination: CSMT

DFHCA4934 E  date time applid tranid The installation of URIMAP resourcename failed because HOSTCODEPAGE hcodepage is not valid in combination with CHARACTERSET charset.

Explanation: The URIMAP resource resourcename cannot be installed because the specified attributes are inconsistent. Most inconsistencies are eliminated at resource definition time. However, for a URIMAP resource, the consistency between the value specified for the HOSTCODEPAGE attribute and that specified for the CHARACTERSET attribute cannot be determined until install time.

System action: The resource is not installed.

User response: Check that the combination of CHARACTERSET and HOSTCODEPAGE values specified for the URIMAP is supported by the CICS system on which you are attempting to install the resource resourcename.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcename, hcodepage, charset

Destination: CSMT

**DFHCA4936 E**  
`date time applid tranid The installation of BUNDLE resourcename failed because the manifest found in the bundle root directory was not valid.

Explanation: BUNDLE resourcename cannot be installed because the manifest found in the bundle root directory was not valid.

System action: The resource is not installed.

User response: Ensure that the manifest in the bundle's root directory is valid.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcename

Destination: CSMT

**DFHCA4937 E**  
`date time applid tranid Install of {TCPIPSERVICE | CORBASERVER | IPCCONN | URIMAP} resourcename failed because the KEYRING has no default certificate.

Explanation: The specified resource resourcename is not installed because no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action: The resource is not installed.

User response: Either specify a valid certificate label in the CERTIFICATE attribute for resourcename, or designate one of the certificates in the keyring as a default.

If you are using the z/OS Security Server (RACF) you designate a certificate as default using the RACDCERT command. Removing certificates, or by changing a certificate's status to or from default, the changes are not reflected in CICS until you restart the CICS address space.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcename, hcodepage, charset

Destination: CSMT

**DFHCA4938 W**  
`date time applid tranid BUNDLE resourcename has been installed as disabled because one or more of its associated resources failed to install.

Explanation: One or more of BUNDLE resourcename's associated resources have failed to install properly.

System action: The resource is installed as disabled.

User response: Examine any error messages issued on the log to determine the cause of the installation failure of any associated resources.

Module: DFHAMP

XMEOUT Parameters: date, time,applid, tranid, resourcename

Destination: CSMT
The installation of ATOMSERVICE resourcename failed due to a configuration error.

Explanation: ATOMSERVICE resourcename cannot be installed because it could not be configured successfully.

System action: The resource is not installed.

User response: Ensure that the CONFIGFILE defined for ATOMSERVICE resourcename is correct.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, resourcename

Destination: CSMT

The installation of MQCONN mqconn-name failed because an MQCONN is already installed and is in use.

Explanation: An attempt to install the MQCONN mqconn-name on the CICS system has failed because there is an existing MQCONN installed and it is in use by the CICS-MQ adapter.

System action: Processing continues. The definition is not installed.

User response: Only one MQCONN can be installed on the CICS system at a time. The install of a second MQCONN implies the discarding of the first MQCONN and its associated MQINI.

An MQCONN definition can be replaced or discarded only when it is not in use by the CICS-MQ adapter. Ensure that the CICS-MQ interface has been stopped before trying to install an MQCONN definition.

Module: XMEOUT Parameters: date, time, applid, tranid, mqconn-name

Destination: CSMT

The installation of {ATOMSERVICE} resourcename failed because the {CONFIGFILE | BINDFILE | URIMAP} is invalid.

Explanation: The specified resourcename cannot be installed because the associated CONFIGFILE, BINDFILE or URIMAP was found to be invalid.

System action: The resource is not installed.

User response: Correct the invalid CONFIGFILE or BINDFILE. If the failure is for a URIMAP then it could be caused by the same path being specified in another URIMAP installed in CICS.

Module: XMEOUT Parameters: date, time, applid, tranid, {1=ATOMSERVICE}, resourcename, {1=CONFIGFILE, 2=BINDFILE, 3=URIMAP}

Destination: CSMT

The installation of {ATOMSERVICE} resourcename failed because CICS does not have authority to access the {CONFIGFILE | BINDFILE}.

Explanation: The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the UNIX System Services file specified as the CONFIGFILE or BINDFILE.

System action: The resource is not installed.

User response: Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module: DFHAMP

XMEOUT Parameters: date, time, applid, tranid, {1=ATOMSERVICE}, resourcename, {1=CONFIGFILE, 2=BINDFILE}

Destination: CSMT

JVMSERVER resourcename has been installed with fewer threads than requested on its definition.

Explanation: The specified JVMSERVER resourcename was installed with fewer threads than the requested THREADLIMIT value on its resource definition.

System action: The resource is installed with limited threads.

User response: Ensure that you have the correct
DFHCA4945 W  THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire more threads.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

DFHCA4945 W  THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire more threads.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename was installed as disabled with a THREADLIMIT value of 0 because there are not enough threads available in the running CICS system.

System action:  The resource is installed as disabled.

User response:  Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire some threads and be enabled.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename was installed as disabled with a THREADLIMIT value of 0 because there are not enough threads available in the running CICS system.

System action:  The resource is installed as disabled.

User response:  Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire some threads and be enabled.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename was installed as disabled with a THREADLIMIT value of 0 because there are not enough threads available in the running CICS system.

System action:  The resource is installed as disabled.

User response:  Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire some threads and be enabled.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the manifest found in the bundle root directory.

System action:  The resource is not installed.

User response:  Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the manifest found in the bundle root directory.

System action:  The resource is not installed.

User response:  Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, tranid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename cannot be installed because an unexpected error occurred.

System action:  The resource is not installed.

User response:  Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, resourcename
Destination:  CSMT

Explanation:  The specified resourcename cannot be installed because an unexpected error occurred.

System action:  The resource is not installed.

User response:  Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, resourcename
Destination:  CSMT

Explanation:  The specified URIMAP is installed successfully, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action:  The URIMAP resource is installed without a certificate supplied.

User response:  Determine whether your CERTIFICATE setting is acceptable.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, resourcename
Destination:  CSMT

Explanation:  The specified URIMAP is installed successfully, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action:  The URIMAP resource is installed without a certificate supplied.

User response:  Determine whether your CERTIFICATE setting is acceptable.

Module:  DFHAMP
XMEOUT Parameters:  date, time, applid, resourcename
Destination:  CSMT

Explanation:  An attempt to install resource type resource on this CICS system is not possible as the code for install has been disabled for this resource type.

System action:  Processing continues. The definition is not installed.

User response:  You may define resource definitions
for resource resource but until full support is available, you cannot INSTALL them.

**Module:** DFHAM

**XMEOUT Parameters:** date, time, applid, tranid, resourcetype

**Destination:** CSMT

---

**DFHCA5100S** date time applid netname tranid Severe error in module modname. Abend code: abcode

**Explanation:** An internal error has occurred in module modname, when invoked by a CSD utility command.

**System action:** Processing terminates abnormally with an operating system dump and abend code abcode.

The CSD utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response:** See the description of abend code abcode for guidance.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, modname, abcode

**Destination:** CSMT

---

**DFHCA5103I** date time applid netname tranid Error(s) occurred while processing command command.

**Explanation:** The CSD utility either found a syntax error in the utility command command, or the command command failed to execute correctly.

**System action:** Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** If the command failed because of syntax errors, correct the command.

If the command failed to execute correctly, this may have been caused by a previous error. In this case, an associated error message, such as DFHCA5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, command

**Destination:** CSMT

---

**DFHCA5104W** date time applid netname tranid Subsequent commands (except LIST) are not executed because of error(s) above.

**Explanation:** After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a put-message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which is still executed if the primary CSD file can be opened.

**System action:** Subsequent CSD utility commands (except LIST) are ignored.

**User response:** Check for a syntax error in the commands used, and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt
active processing. These messages should appear in the DFHCSDUP output before message DFHCA5104 is issued.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5105W date time applid netname tranid command
command not executed because of previous error(s).

Explanation: If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

System action: The CSD utility command is not executed.

User response: Check for syntax errors or execution errors in commands processed earlier.
Correct the invalid commands.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command
Destination: CSMT

DFHCA5107I date time applid netname tranid
Commands executed successfully: ns
Commands giving warning(s): nw
Commands in error: ne

Explanation: The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

System action: Normal processing continues to the end of the job.

User response: If any CSD utility commands in error were executed, decide if the results are what you want.
If not, correct them and resubmit in another job.
If any commands were not executed, you must resubmit them. (See message DFHCA5108.)

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, ns, nw, ne
Destination: CSMT

DFHCA5108I date time applid netname tranid
Commands not executed after error(s): nn

Explanation: The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by nn.

System action: Normal processing continues to the end of the job.

User response: Correct the commands in error and resubmit them in another job.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, nn
Destination: CSMT

DFHCA5109I date time applid netname tranid End of DFHCSDUP utility job. Highest return code was: retcode

Explanation: The CSD utility job is complete.

System action: Control returns to the invoker, that is, either to the operating system or to an invoking program.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, retcode
Destination: CSMT

DFHCA5110W date time applid netname tranid Error found in 'PARM=' parameter data on EXEC job step. This data is ignored.

Explanation: The value of the PARM parameter on the EXEC statement in the JCL to run the DFHCSDUP utility is incorrect.

System action: The PARM parameter is ignored. The CSD is opened for read and write operations.

User response: Correct the erroneous PARM value. The incorrect value can be found in the job control language used to execute DFHCSDUP.

The CICS Operations and Utilities Guide describes how to code the PARM parameter.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT
**Explanation:** The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully.

**System action:** The CSD utility ignores the command.

**User response:** Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, csdtype

**Destination:** CSMT

---

**Explanation:** An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

**System action:** The INITIALIZE or SERVICE command is ignored.

**User response:** Confirm that the correct CSD file was specified.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**Explanation:** The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, csdtype, ddname, dsname

**Destination:** CSMT

---

**Explanation:** An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

**System action:** The utility command is not executed.

**User response:** Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, csdtype, ddname

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Chapter 4. DFH messages - DFH01 to DFHM  411
DFHCA5122S • DFHCA5126S

**Destination:** CSMT

**DFHCA5122S**  
*date time applid netname tranid VSAM error while opening csdtype CSD; ddname: ddname*

**Explanation:** A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

**System action:** The utility command is not executed.

**User response:** Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

**Module:** DFHCAP  
**XMEOUT Parameters:** *date, time,applid, netname, tranid, csdtype, ddname*

**Destination:** CSMT

**DFHCA5123S**  
*date time applid netname tranid csdtype CSD closed; ddname: ddname - dsname: dsname*

**Explanation:** The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCAP  
**XMEOUT Parameters:** *date, time,applid, netname, tranid, csdtype, ddname, dsname*

**Destination:** CSMT

**DFHCA5124S**  
*date time applid netname tranid Processing terminated. Corrupted csdtype CSD control record detected while closing CSD; ddname: ddname*

**Explanation:** A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

**System action:** No further CSD utility commands are processed.

**User response:** Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCAP  
**XMEOUT Parameters:** *date, time,applid, netname, tranid, csdtype, ddname*

**DFHCA5125S**  
*date time applid netname tranid Error occurred while closing csdtype CSD. File is full; ddname: ddname*

**Explanation:** After processing the CSD utility commands, the CSD control records are updated before closing the data set. Updating failed because data set *ddname* was full.

**System action:** Utility command processing is terminated.

**User response:** Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set. If you have a recoverable CSD and you update it from CICS in RLS mode, there are extra steps required to ensure that any retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

**Module:** DFHCAP  
**XMEOUT Parameters:** *date, time,applid, netname, tranid, csdtype, ddname*

**Destination:** CSMT

**DFHCA5126S**  
*date time applid netname tranid I/O error while closing csdtype CSD; ddname: ddname*

**Explanation:** An I/O error occurred when reading or writing the control records of the CSD file before closing VSAM data set *ddname*.

**System action:** No further utility commands are executed.

**User response:** Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

**Module:** DFHCAP  
**XMEOUT Parameters:** *date, time,applid, netname, tranid, csdtype, ddname*

**Destination:** CSMT
DFHCA5127S  date time applid netname tranid VSAM error while closing csdtype CSD; ddname: ddname

Explanation: A VSAM error occurred when closing the data set ddname in the JCL as the primary or secondary CSD file.

System action: No further CSD utility commands are executed.

User response: Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

Destination: CSMT

DFHCA5128S  date time applid netname tranid Processing terminated. csdtype CSD accessed by another user and could not be shared. ddname: ddname

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that

- An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
- An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
- An attempt has been made to open the CSD in non-RLS access mode, and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System action: The command is not executed.

User response: You can change the access mode in which you are trying to open the CSD. To open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

Destination: CSMT

DFHCA5130E  date time applid netname tranid Unable to locate module DFHCICS. Primary CSD not initialized.

Explanation: The DFHCICS module is missing from the library.

System action: Processing of the INITIALIZE command is terminated.

User response: Ensure that the DFHCICS module is present in the library.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5131I  date time applid netname tranid List listid created.

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System action: Normal processing continues.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, listid

Destination: CSMT

DFHCA5132S  date time applid netname tranid Unable to create list listid

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System action: Processing of the INITIALIZE command is terminated.

User response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, listid

Destination: CSMT
DFHCA5133S  date time applid netname tranid  
CSD contains one or more lists. No lists may be present on the CSD when the INITIALIZE command is issued.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System action: Processing of the INITIALIZE command is terminated.

User response: Redefine the data set and rerun the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5134S  date time applid netname tranid  Error occurred while adding group grpname to list listid

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group grpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

System action: Processing of the INITIALIZE command is terminated.

User response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, listid
Destination: CSMT

DFHCA5135I  date time applid netname tranid  Group grpname added to list listid

Explanation: A group definition grpname has been satisfactorily created on the CSD file in list listid.

System action: Processing continues.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, listid
Destination: CSMT

DFHCA5136W  date time applid netname tranid  Group grpname is already a member of list listid

Explanation: Group grpname already exists in list listid. CICS does not create a duplicate entry.

System action: Normal utility processing continues.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, listid
Destination: CSMT

DFHCA5137 E date time applid netname tranid  Group grpname not found in list listid

Explanation: The group grpname entered in the ADD command as the AFTER or BEFORE name could not be found in the list listid. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System action: Normal utility processing continues.

User response: Reenter the command with a group name that exists in this list.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, listid
Destination: CSMT

DFHCA5139W  date time applid netname tranid  Consider implications of migrating TYPE=SHARED entries.

Explanation: The CSD utility detected a migrate of a TST TYPE=SHARED entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TMODEL created.

System action: The CSD utility continues processing of the MIGRATE command.

User response: If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the CICS Resource Definition Guide for more information.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, listid
Destination: CSMT
DFHCA5140I  date time applid netname tranid Total
xxxxxxxx definitions created: nn

Explanation: CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

System action: Normal utility processing continues.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx, nn

Destination: CSMT

DFHCA5141S  date time applid netname tranid Unable to create new group grpname

Explanation: The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group grpname on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System action: Processing of the MIGRATE command is terminated.

User response: Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, grpname

Destination: CSMT

DFHCA5142E  date time applid netname tranid Command not executed. lgnname was not updated because of a previous update failure.

Explanation: The list or group lgnname cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, lgnname

Destination: CSMT

DFHCA5143I  date time applid netname tranid Group grpname created.

Explanation: A new CSD group, grpname, has been created for the data in the table being migrated.

System action: Migration continues.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, grpname

Destination: CSMT

DFHCA5145E  date time applid netname tranid Command not executed. lgnname has been locked by applid: applid opid: opid to prevent updating.

Explanation: The list or group lgnname cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

User response: Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, lgnname, applid, opid

Destination: CSMT

DFHCA5146E  date time applid netname tranid Command not executed. lgnname is currently being updated by applid applid opid: opid

Explanation: The list or group lgnname cannot be used because
• A user of the CEDA or CEDB transaction is currently running a command to update it
• A previous operation to update it using CEDA or CEDB failed to execute to completion.

System action: The command is not executed.

If commands are being read from a SYSIN data stream,
subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSUDP utility attempts to process subsequent commands.

User response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSUDP VERIFY command to remove the in-flight flag detected when this message is produced.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, lgname, applid, opid

Destination: CSMT

DFHCA5147E  date time applid netname tranid
Command not executed. lgname already exists as a group-or-list

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System action: Processing of the utility command is terminated.

User response: Choose a different name for the target group.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, lgname, group-or-list

Destination: CSMT

DFHCA5148E  date time applid netname tranid Unable to get storage for tabletype table named table

Explanation: There is insufficient storage to satisfy a GETMAIN request for table table.

System action: The system action depends on the table specified as follows

LD (language definition table)
The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
The CSD utility cannot migrate the table, and terminates processing of the utility command.

User response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table

Destination: CSMT

DFHCA5149E  date time applid netname tranid
Command not executed. xxxxxxx is IBM-protected.

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System action: The CSD utility does not create a definition.

User response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

Destination: CSMT

DFHCA5151I  date time applid netname tranid Resource not altered. xxxxxxx is IBM-protected.

Explanation: During the execution of an ALTER command containing a generic group name a matching group was found which is an IBM-supplied group and is protected.

System action: The CSD utility does not alter the definition in the specified group.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

Destination: CSMT

DFHCA5155W  date time applid netname tranid tdqueue xxxxxxx has same name as an IBM-supplied definition in group grpname

Explanation: The name of the migrated table entry, xxxxxxx, matches the name of an IBM-supplied resource in IBM-protected group grpname, created by the INITIALIZE command.

System action: CICS migrates this entry normally.

User response: If necessary, rename the resource, using the CEDA transaction.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, tdqueue, xxxxxxx, grpname

Destination: CSMT
**DFHCA5156W**  
*date time applid netname tranid*  
**TDqueue**  
*xxxxxxx did not migrate. Its properties match an IBM-supplied definition in group grpname*

**Explanation:** The properties of the resource defined in the user’s table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group grpname.

**System action:** The entry for the user’s resource is not migrated.

**User response:** None.

**Module:** DFHCAP

**XMEOUT Parameters:** *date, time, applid, netname, tranid, TDqueue, xxxxxxx, grpname*

**Destination:** CSMT

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**DFHCA5159I**  
*date time applid netname tranid*  
**resource**  
**object**  
**defined in group grpname*

**Explanation:** The CSD utility has successfully added a resource definition to a group, where

- **resource** is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).
- **object** is the name of the object.
- **grpname** is the name of the group.

**System action:** Normal utility processing continues.

**User response:** None.

**Module:** DFHCAP

**XMEOUT Parameters:** *date, time, applid, netname, tranid, resource, object, grpname*

**Destination:** CSMT

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**DFHCA5164W**  
*date time applid netname tranid*  
**No definition of resource object created. This duplicates an existing definition in group grpname*

**Explanation:** The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where

- **resource** is the type of resource.
- **object** is the name of the object.
- **grpname** is the name of the group.

**System action:** The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

**User response:** Use the CEDA transaction to define the resource with a unique name.

**Module:** DFHCAP

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**DFHCA5165S**  
*date time applid netname tranid*  
**Processing is terminated. An error occurred while writing resource object to the CSD.**

**Explanation:** An error occurred when the CSD utility called DFHDMP to write the definition of the object to the CSD file.

The CSD file may be full or corrupted.

**System action:** If the CSD is full, the CSD utility issues message DFHCA5176, and then terminates with a return code of 12 in message DFHCA5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFHCA5175, usually accompanied by one or more of the explanatory messages, DFHCA5177, DFHCA5178, and DFHCA5179.

**User response:** Use the additional messages to determine the cause of the error and the appropriate user action required.

**Module:** DFHCAP

**XMEOUT Parameters:** *date, time, applid, netname, tranid, resource, object*

**Destination:** CSMT

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**DFHCA5166E**  
*date time applid netname tranid*  
**Disallowed character in resource name object**

**Explanation:** The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid.

**System action:** A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response:** Use the CEDA transaction to define the resource with a valid name.

**Module:** DFHCAP

**XMEOUT Parameters:** *date, time, applid, netname, tranid, resource, object*

**Destination:** CSMT
DFHCA5167S  date time applid netname tranid       The CSECTs in table table have been link-edited in the wrong order.

Explanation: While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table table are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

System action: The CSD utility does not process the MIGRATE command.

User response: Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, table

Destination: CSMT

DFHCA5168S  date time applid netname tranid       Table table loaded from library member table is not a valid tabletype.

Explanation: After loading the table table, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

System action: The MIGRATE command is not processed.

User response:
1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, table, tabletype

Destination: CSMT

DFHCA5169S  date time applid netname tranid       Processing is terminated. Table table was assembled for CICS release rrr. Reassemble for release sss.

Explanation: After loading the table table, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (rrr) for which the table was assembled, and is invalid for the CICS system (release sss) that is running.

System action: The MIGRATE command is not processed.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5174S  date time applid netname tranid       Processing is terminated. Command cannot be executed because 'PARM=CSD(READONLY)' was specified.

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System action: This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response: Amend the JCL to specify 'PARM=CSD(READWRITE)'. accessing it in RLS mode, you cannot specify READWRITE access. In order to perform the command, you need to access the CSD in non-RLS mode.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5175S  date time applid netname tranid       Processing is terminated. Unexpected response from function in CSD manager.

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is function.

System action: DFHCSDUP issues additional messages, then

- Terminates normally for CSD open/close errors, and the CSD-full condition, or
- Terminates abnormally for all other situations.

User response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Module: DFHCAP
CSD is full.

Explanation: The VSAM data set containing the CSD file is full.

System action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

User response: First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy.

If your CSD is a recoverable data set and you update it from CICS in RLS mode, there are additional steps to be taken when using REPRO to ensure that any retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

Processing is terminated. CSD I/O error occurred.

Explanation: An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System action: DFHCSDUP issues additional messages and terminates abnormally.

User response: For the meaning of the VSAM return and error codes, refer to the DFSMS/MVS V1R3 Macro Instructions for Data Sets manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following

• The data set is being concurrently accessed by CICS running in another region.
You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.

LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized. A recoverable CSD.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, nn, ddd(yy), type

**Destination:** CSMT

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**DFHCA5180S**  
**Processing is terminated. Error occurred while CSD was being read by function subfunction**

**Explanation:** When the LIST command invoked DFHDM to scan the objects on the CSD file, an error occurred during execution of the DFHDM function.

**System action:** The CSD utility terminates with an MVS abend 0325.

**User response:** This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, function, subfunction

**Destination:** CSMT

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**DFHCA5181W**  
**No match found for generic group-or-list identifier xxxxxxx**

**Explanation:** The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System action:** Normal processing continues.

**User response:** None.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, xxxxxxx

**Destination:** CSMT

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**DFHCA5182W**  
**group-or-list xxxxxxx does not exist.**

**Explanation:** The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

**System action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response:** Correct the LIST command or the DELETE command to use a valid group or list name.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, list-or-group

**Destination:** CSMT

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**DFHCA5183W**  
**date time applid netname tranid group-or-list xxxxxxx exists as a list-or-group name.**

**Explanation:** The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response:** Correct the LIST command or the DELETE command to use a valid group or list name.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, xxxxxxx, list-or-group

**Destination:** CSMT

---

**DFHCA5184S**  
**Processing is terminated. Invalid output from DFHPUP. Cannot format data for utility listing.**

**Explanation:** There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System action:** The CSD utility terminates with an MVS abend 0326.

**User response:** This error must be reported. Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the error(s) have occurred because they do not print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5186W date time applid netname tranid No objects defined in grpname listid
Explanation: In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.
System action: The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.
User response: Run the DFHCSDUP VERIFY utility.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, objects, grpname, listid
Destination: CSMT

DFHCA5187I date time applid netname tranid resource is locked, but is not the name of a group or list.
Explanation: The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.
System action: The utility continues normal processing of the VERIFY command.
User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource
Destination: CSMT

DFHCA5188I date time applid netname tranid object-type name is now available for use.
Explanation: The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.
System action: Normal processing of the VERIFY command continues.
User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, object-type, name
Destination: CSMT

DFHCA5189I date time applid netname tranid CSD verify process completed successfully.
Explanation: The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.
System action: Normal processing continues.
User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5190S date time applid netname tranid Command is not executed. Unable to get storage for service module progname
Explanation: There is insufficient storage available to load the service module progname, that is to be loaded and executed by DFHCSDUP.
System action: Utility command execution is terminated.
If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User response: Ensure that there is sufficient storage allocated to load module progname.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, progname
Destination: CSMT

DFHCA5191I date time applid netname tranid Service program progname is running.
Explanation: The service module progname has been loaded correctly. Execution of the module has started.
System action: Normal processing continues.
User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, progname
Destination: CSMT

Chapter 4. DFH messages - DFH01 to DFHM 421
DFHCA5192S  date time applid netname tranid
Command is not executed. CSD service level ttt is incompatible with current service level sss
Explanation: Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.
System action: The SERVICE command is not executed.
If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User response: The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, ttt, sss
Destination: CSMT

DFHCA5193S  date time applid netname tranid
Command is not executed. Service module programe is unable to upgrade CSD to target service level ttt
Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module programe being applied to the CSD file.
System action: The SERVICE command is not executed.
If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User response: Ensure that the service module programe, being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level ttt.)
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, programe, ttt
Destination: CSMT

DFHCA5194I  date time applid netname tranid
Upgrading service status of CSD from level sss to level ttt
Explanation: The loaded service module is performing the required upgrade of the CSD file from service level sss to service level ttt.
System action: Normal processing continues.
User response: None.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, sss, ttt
Destination: CSMT

DFHCA5195I  date time applid netname tranid  Execution of service program programe complete.
Explanation: The loaded service program programe has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.
System action: Normal processing continues.
User response: None.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, programe
Destination: CSMT

DFHCA5196S  date time applid netname tranid
Command is terminated. Error occurred while reading control secondary CSD record.
Explanation: An I/O error has occurred on the specified CSD file.
System action: The SERVICE command is terminated.
If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT
DFHCA5197S  date time applid netname tranid
Command is terminated. Unrecognized control record encountered while secondary CSD was being read.

Explanation:  The contents of a control record of the secondary input CSD are invalid.

System action:  The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSUDP attempts to process subsequent commands.

User response:  Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSUDP together with a listing of the DFHCSUDP run and its JCL. Also try to obtain a printout of the CSD using either IDCAMS or the DFHCSUDP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCAP

XMEOUT Parameters:  date, time,applid, netname, tranid

Destination:  CSMT

DFHCA5198I  date time applid netname tranid CSD record modified for resource-type resource-name, group-or-list group-or-list-name

Explanation:  The specified modification to a record on the CSD file has taken place.

System action:  Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User response:  None.

Module:  DFHCAP

XMEOUT Parameters:  date, time,applid, netname, tranid, resource-type, resource-name, group-or-list,group-or-list-name

Destination:  CSMT

DFHCA5199W  date time applid netname tranid Invalid field encountered in existing record for resource-type: resource-name group-or-list: group-or-list-name

Explanation:  An unexpected value was found in one of the fields of a CSD record that was to be modified for element resource-name of type resource-type.

System action:  Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User response:  None.

Module:  DFHCAP

XMEOUT Parameters:  date, time,applid, netname, tranid, resource-type, resource-name, group-or-list,group-or-list-name

Destination:  CSMT

DFHCA5200S  date time applid netname tranid Command not executed. No valid language table was loaded.

Explanation:  The utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System action:  The utility terminates because it cannot process any commands.

User response:  Check that the correct version of the RDO language table (DFHEITSP) is in the program library.

Module:  DFHCAP

XMEOUT Parameters:  date, time,applid, netname, tranid

Destination:  CSMT

DFHCA5201S  date time applid netname tranid 'command' command is not valid. Command not executed.

Explanation:  The CSD utility does not recognize the command.

System action:  The utility ignores the command.

User response:  Correct the command.

Module:  DFHCAP

XMEOUT Parameters:  date, time,applid, netname, tranid, command

Destination:  CSMT

DFHCA5202S  date time applid netname tranid Incorrect syntax for 'command' command. Command not executed.

Explanation:  The syntax of the command is incorrect.
DFHCA5203W • DFHCA5209 W

System action: The CSD utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command
Destination: CSMT

DFHCA5203W  date time applid netname tranid Right parenthesis assumed after the value of 'xxxx'.

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.
System action: The utility executes the command as if the right parenthesis was present.
User response: Confirm that the correction applied by the utility generated the required command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxx
Destination: CSMT

DFHCA5204E  date time applid netname tranid Command not executed. 'xxxx' keyword is not valid.

Explanation: The keyword xxxx is not valid on this command.
System action: The utility command is ignored.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxx
Destination: CSMT

DFHCA5205E  date time applid netname tranid Command not executed. No value was specified for 'xxxx'.

Explanation: The option xxxx is incomplete, possibly because a value has been omitted.
System action: The utility command is ignored.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxx
Destination: CSMT

DFHCA5206E  date time applid netname tranid
Command not executed. Duplicate specification of 'xxxx'.

Explanation: Option xxxx appears twice on a single utility command.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxx
Destination: CSMT

DFHCA5207E  date time applid netname tranid
Command not executed. 'xxxxxxx' does not require a value.

Explanation: The utility detected an input command coded with a value for option xxxxxxx when no value was required.
System action: The utility does not process the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx
Destination: CSMT

DFHCA5208 W  date time applid netname tranid
Resource defined but no value was specified for 'xxxxxxx'. Ensure that the resource is updated.

Explanation: The utility detected that an input command did not have a value for the specified keyword xxxxxxx, when a value was required.
System action: The utility processes the command and ignores the specified keyword.
User response: Correct the input command and update the defined CICS resource.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx
Destination: CSMT

DFHCA5209 W  date time applid netname tranid
No command encountered. The input file might be empty.

Explanation: The utility detected that an input command was missing. A valid CSD input command was expected but not found.
**DFHCA5210E • DFHCA5215E**

**System action:** The utility continues processing the input file.

**User response:** Review the input file and ensure that input commands are present.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

DFHCA5210E  
*date time applid netname tranid*

Command not executed. Invalid value was specified for 'xxxx'.

**Explanation:** The utility detected an input command coded with an invalid value for option xxxx.

**System action:** The utility does not process the command.

**User response:** Correct the value.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**Destination:** CSMT

DFHCA5211E  
*date time applid netname tranid*

Command not executed. Operand delimiter 'x' was misplaced.

**Explanation:** The utility has detected an input command coded with a misplaced option delimiter x.

**System action:** The utility does not process the command.

**User response:** Place the delimiter correctly.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, x

**Destination:** CSMT

DFHCA5212E  
*date time applid netname tranid*

Command not executed. comrtype 'string' is not uniquely identifiable.

**Explanation:** An ambiguous DFHCSDUP or CREATE command has been specified.

• comrtype is the command component type
• string is the actual component.

**System action:** The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Correct the command syntax and retry.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, comrtype, string

**Destination:** CSMT

DFHCA5213E  
*date time applid netname tranid*

Specified input could be interpreted as match1 or match2

**Explanation:** An ambiguous DFHCSDUP or CREATE command has been specified.

• input is the ambiguous character string
• match1 and match2 are two possible interpretations of input.

**System action:** The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response:** Correct the command syntax and retry.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, input, match1, match2

**Destination:** CSMT

DFHCA5214W  
*date time applid netname tranid*

Keyword is an obsolete keyword. It is ignored.

**Explanation:** The utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS.

**System action:** The utility ignores the keyword.

**User response:** Confirm that the resulting utility command is correct for this release of CICS.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword

**Destination:** CSMT

DFHCA5215E  
*date time applid netname tranid*

Command not executed. A closing parenthesis has been omitted from a null value specified on an ALTER command.

**Explanation:** A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

See accompanying message DFHCA5213 for further details of the command failure.
DFHCA5216E • DFHCA5222E

System action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response: Correct the command syntax and retry.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5216E  date time applid netname tranid restype
resname is not in group group

Explanation: A nonexistent resource of type restype and name resname, has been specified on an ALTER command.

System action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response: Correct the command syntax and retry.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

Destination: CSMT

DFHCA5216E  date time applid netname tranid
Command not executed. A closing bracket has been omitted from a xxxx keyword.

Explanation: A closing bracket has been omitted from the xxxx keyword on a CREATE or DFHCSDUP DEFINE command.

System action: The command is not executed.

User response: Correct the command syntax and retry.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

Destination: CSMT

DFHCA5218I  date time applid netname tranid Altering
Resourcetype Resourcename in group Groupname

Explanation: During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting resourcename and/or groupname respectively.

System action: Normal processing continues.

User response: None.

Module: DFHCSDUP

XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

Destination: CSMT

DFHCA5220S  date time applid netname tranid
Command not executed. 'xxxxxxxxx' must be the first command.

Explanation: The CSD utility found an INITIALIZE command after other commands.

System action: The CSD utility ignores the command.

User response: Confirm that the INITIALIZE command was misplaced.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

Destination: CSMT

DFHCA5222E  date time applid netname tranid
Command not executed. 'xxxxxxxxx' keyword was omitted or specified incorrectly.

Explanation: A required keyword xxxxxxxx was omitted from a CSD utility command.

System action: The utility ignores the command.

User response: Specify keyword xxxxxxxx.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

Destination: CSMT
DFHCA5223E  date time applid netname tranid
Command not executed. 'xxxxxxxx' keyword conflicts with 'xxxxxxxx' keyword.
Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.
System action: The utility command is ignored.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxxx, xxxxxxxx
Destination: CSMT

DFHCA5224E  date time applid netname tranid
Command not executed. The value of operand is outside the valid range for keyword.
Explanation: A numeric value of operand was detected, which is outside the permitted range of values for the keyword keyword.
System action: The command is not executed.
User response: Correct the value.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, operand, keyword
Destination: CSMT

DFHCA5225E  date time applid netname tranid
Command not executed. Same name specified for 'xxxxxxxx' and 'xxxxxxxx'.
Explanation: This message is issued for one of the following reasons
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.
System action: The CSD utility or CICS ignores the command.
User response: Correct the name (or names) in error.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxxx, xxxxxxxx
Destination: CSMT

DFHCA5226E  date time applid netname tranid
Command not executed. Use of generic name conflicts with 'xxxxxxxx' option.
Explanation: A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxxx
Destination: CSMT

DFHCA5227E  date time applid netname tranid
Command not executed. Only one resource-type keyword may be specified.
Explanation: The CSD utility detected an input command coded with more than one resource-type keyword.
System action: The utility does not process the command.
User response: Correct the command to refer to only one resource-type keyword.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT

DFHCA5228E  date time applid netname tranid
Command not executed. 'xxxxxxxx' is invalid because a resource-type keyword was specified.
Explanation: The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.
System action: The utility does not process the command.
User response: Correct the command and resubmit.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxxx
Destination: CSMT

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DFHCA5230I  

**DFHCA5230I**  
*date time applid netname tranid*  
**ERASE command is obsolete. Use the DELETE command.**  

**Explanation:** The CSD utility detected the obsolete ERASE command in its input.  

**System action:** The utility processes the command as a DELETE command.  

**User response:** In future, use the DELETE command instead of the ERASE command.  

**Module:** DFHCAP  

**XMEOUT Parameters:**  
*date, time, applid, netname, tranid*  

**Destination:** CSMT

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DFHCA5231E  

**DFHCA5231E**  
*date time applid netname tranid*  
**Command not executed. 'xxxxxxxx' is incompatible with the MIGRATE command for tabletype tables.**  

**Explanation:** An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.  

**System action:** The CSD utility terminates.  

**User response:** Correct the command syntax and resubmit the job.  

**Module:** DFHCAP  

**XMEOUT Parameters:**  
*date, time, applid, netname, tranid, xxxxxxxx, tabletype*  

**Destination:** CSMT

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DFHCA5232E  

**DFHCA5232E**  
*date time applid netname tranid*  
**Command not executed. 'xxxxxxxx' parameter must not begin with 'DFH'.**  

**Explanation:** In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.  

**System action:** The utility does not process the command.  

**User response:** Resubmit with a valid table name or group name.  

**Module:** DFHCAP  

**XMEOUT Parameters:**  
*date, time, applid, netname, tranid, xxxxxxxx, tabletype*  

**Destination:** CSMT

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DFHCA5233E  

**DFHCA5233E**  
*date time applid netname tranid*  
**Command not executed. Group or list must be specified.**  

**Explanation:** A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.  

**System action:** The utility command is not executed. This message is followed by DFHCA5104.  

**User response:** Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.  

**Module:** DFHCAP  

**XMEOUT Parameters:**  
*date, time, applid, netname, tranid*  

**Destination:** CSMT

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DFHCA5234E  

**DFHCA5234E**  
*date time applid netname tranid*  
**Command not executed. 'command' command is not supported.**  

**Explanation:** The CSD utility detected a command command in its input which is not supported by RDO.  

**System action:** The utility does not process the command.  

**Module:** DFHCAP  

**XMEOUT Parameters:**  
*date, time, applid, netname, tranid, command*  

**Destination:** CSMT

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DFHCA5235I  

**DFHCA5235I**  
*date time applid netname tranid*  
**A user-exit program has been specified on the entry linkage and on the userprogram keyword. The program specified on the entry linkage has been ignored.**  

**Explanation:** An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.  

**System action:** The program specified on the USERPROGRAM keyword is used.  

**User response:** Ensure that the user program used is the one intended.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
destination: CSMT

DFHCA5240S  date time applid netname tranid
Processing terminated. Error occurred while input utility command was being read.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System action: The CSD utility terminates abnormally without processing the input commands.

User response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
destination: CSMT

DFHCA5241S  date time applid netname tranid
Processing terminated. Invalid record length on utility command data stream.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System action: The CSD utility cannot process any commands. The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
destination: CSMT

DFHCA5242E  date time applid netname tranid
Command not processed. Too many continuation records for input utility command.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System action: The utility does not process the command.

User response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5250E  TO(groupname) contains too many non contiguous "*"

Explanation: During the execution of a generic COPY command, the batch update utility found the argument of the TO parameter specified too many non contiguous asterisks.

Only one "*" is allowed in the TO parameter during the execution of a generic copy.

System action: The utility rejects the command.

User response: Correct the command.

Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: SYSSTATUS

DFHCA5251I  date time applid netname tranid resource object in group grpname is replaced.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

resource is the type of the resource
object is the name of the object
grpname is the name of the group.

System action: Normal utility processing continues.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, grpname
Destination: CSMT

DFHCA5252I  date time applid netname tranid resource object copied to group grpname

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where

resource is the type of resource
object is the name of the object
grpname is the name of the group.

System action: Normal utility processing continues.

User response: None.
DFHCA5253E  Destination: CSMT

DFHCA5253E  date time applid netname tranid Group
           grpname not found in CSD file -
           ddname: ddname

Explaination: The CSD utility has detected a command that attempted to retrieve definitions from the non-existent group, grpname, in the CSD specified in DDNAME ddname.

System action: The utility does not process the command.

User response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, grpname, ddname

Destination: CSMT

DFHCA5254E  Destination: CSMT

DFHCA5254E  date time applid netname tranid resource
           object already exists in the target group.

Explaination: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where

• resource is the type of resource
• object is the name of the object.

System action: The CSD utility does not process the command.

User response: Change the name in the command, or alter the name of the existing definition.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, resource, object

Destination: CSMT

DFHCA5255E  Destination: CSMT

DFHCA5255E  date time applid netname tranid List
           xxxxxxx not found in CSD file -
           ddname: ddname

Explaination: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME ddname.

System action: The utility does not process the command.

User response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx, ddname

Destination: CSMT

DFHCA5256E  Destination: CSMT

DFHCA5256E  date time applid netname tranid No
           resources defined in group grpname

Explaination: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User response: Run the DFHCSDUP VERIFY utility to verify the group.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, grpname

Destination: CSMT

DFHCA5257E  Destination: CSMT

DFHCA5257E  date time applid netname tranid Length of
           'TO' prefix must be less than or equal to
           length of 'GROUP' prefix.

Explaination: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System action: The utility ignores the command to prevent truncation of the TO group name.

User response: Correct the command.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5258I  Destination: CSMT

DFHCA5258I  date time applid netname tranid Copying
           group grpname1 to grpname2

Explaination: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

System action: Normal processing continues.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, grpname1, grpname2

Destination: CSMT
DFHCA5259I  date time applid netname tranid
Unrecognized resource type found in the CSD file and has been ignored.

Explanation:  CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons
1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System action:  The resource is ignored and the operation continues.

User response:  Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows
1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination:  CSMT

DFHCA5260E  Length of 'TO' suffix must be equal to length of 'GROUP' suffix.

Explanation:  During the execution of a generic COPY command, the batch update utility found the length of the suffix of the generic group specified in the TO keyword to be of different length than that of the suffix of the generic GROUP keyword.

System action:  The utility ignores the command to prevent ambiguity on the TO group name.

User response:  Correct the command.

Module:  DFHCS Dup
Destination:  SYSPRINT

DFHCA5261W  date time applid netname tranid RDT is empty. No z/OS Communications Server resources in assembled table.

Explanation:  The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

System action:  The utility does not create any CSD definitions.

User response:  Check the TCT source code to see if it contains any RDO-supported definitions. If it does, ensure that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

Module:  DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination:  CSMT

DFHCA5262S  date time applid netname tranid
Insufficient storage to build types-matching chain.

Explanation:  During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System action:  The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated remain on the CSD.

User response:  1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

Module:  DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination:  CSMT

DFHCA5263S  date time applid netname tranid Error in input RDT. Incorrect sequence of commands.

Explanation:  During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.
DFHCA5264W  DFHCA5271S

System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were
dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated remain on
the CSD. The MVS user abend code is 0308.

User response:
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE
command.
3. Keep the assembly listing for the failing table and
keep the DFHCSDUP dump, if available.
4. You need further assistance from IBM to resolve this
problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to
proceed.

Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT

---

DFHCA5264W  date time applid netname tranid Resource
object not defined. Group grpname not
available.

Explanation: During the migration of a TCT, the CSD
utility could not define a resource object because the
target group grpname was not available. The utility has
issued a previous message indicating the reason.

System action: The utility creates no definition for
resource object. Normal utility processing continues.

User response: Review the original message. If
necessary, recode the TYPE=GROUP macro in the TCT
source to name a suitable group.

Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid,
object, grpname
Destination: CSMT

---

DFHCA5265W  date time applid netname tranid Action
required to find a suitable typeterm for
terminal termid.

Explanation: While migrating a TCT, the CSD utility
found a terminal definition for which it could not
create a corresponding TYPETERM definition.

System action: The utility adds the terminal definition
to the CSD file, but it refers to a TYPETERM that may
be unsuitable for this device.

User response: Use the CEDA transaction to define a
suitable TYPETERM and alter the TERMINAL

---

DFHCA5266W  date time applid netname tranid Sessions
sessions not defined, because of error in
associated connection.

Explanation: An error has been detected during the
migration of a TCT. When migrating a session,
DFHCSDUP checks that the associated CONNECTION
has been defined successfully. If it has not, DFHCSDUP
abnormally terminates the session definition.

System action: The specified SESSIONS resource is
not migrated to the CSD. DFHCSDUP continues with
the migration of subsequent TCT entries.

User response: Use the diagnostic information in the
output listing from the MIGRATE utility to determine
why the CONNECTION definition has failed. You can
then use RDO to DEFINE the CONNECTION and the
SESSIONS to the CSD.

Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid,
sessions
Destination: CSMT

---

DFHCA5270I  date time applid netname tranid group-or-list xxxxxxxx deleted from the
CSD.

Explanation: The CSD utility has successfully deleted
a group or list from the primary CSD file.

System action: Normal utility processing continues.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid,
group-or-list, xxxxxxxx
Destination: CSMT

---

DFHCA5271S  date time applid netname tranid Unable to
delete group-or-list xxxxxxxx from the
CSD.

Explanation: During CSD utility processing, an error
in accessing the CSD file caused a delete operation to fail.

System action: The utility does not process the
DELETE command. The group or list to be deleted
remains on the CSD file.

User response: You need further assistance from IBM
to resolve this problem. See Part 4 of the CICS Problem
**Determination Guide** for guidance on how to proceed.

**Module**: DFHCAP

**XMEOUT Parameters**: date, time, applid, netname, tranid, group-or-list, xxxxxxx

**Destination**: CSMT

---

**DFHCA5272I**  
*date time applid netname tranid resource object deleted from group grpname*

**Explanation**: The CSD utility successfully deleted the named resource, where
- *resource* is the type of resource
- *object* is the name of the object.

**System action**: Normal utility processing continues.

**User response**: None.

---

**DFHCA5273W**  
*date time applid netname tranid resource object is not in group grpname*

**Explanation**: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where
- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

**System action**: The utility does not process the DELETE command.

**User response**: Check that you have coded the group and resource names correctly.

---

**DFHCA5275E**  
*date time applid netname tranid Group grpname is not a member of list listname*

**Explanation**: The REMOVE command being executed names a GROUP that is not a member of LIST listname.

**System action**: The command is not executed.

**User response**: None.

---

**DFHCA5277I**  
*date time applid netname tranid List list deleted from CSD.*

**Explanation**: The final group has been removed from list listname. The list has therefore been deleted.

**System action**: Processing continues.

**User response**: None.

---

**DFHCA5280I**  
*date time applid netname tranid Processing definitions from library member xxxxxxxx*

**Explanation**: The CSD utility has successfully loaded data from the named library member.

**System action**: Normal utility processing continues.

**User response**: None.

---

**DFHCA5281S**  
*date time applid netname tranid Data loaded from library member xxxxxxxx is invalid*

**Explanation**: The CSD utility has found an error in data loaded from the named library member.
DFHCA5282E • DFHCA5286E

System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response: Obtain a dump containing the failing library member.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx
Destination: CSMT

---

DFHCA5282E  date time applid netname tranid Unable to get storage for library member xxxxxxxx
Explanation: There is insufficient storage available to load the library member xxxxxxxx.
System action: The utility terminates processing of the command that required access to the named library member.
User response: Allocate a larger region size in the utility JCL and resubmit the job.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx
Destination: CSMT

---

DFHCA5283S  date time applid netname tranid RDL subcommand exceeds 1536 bytes: xxxxxxxx....
Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.
System action: The utility terminates abnormally.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxx, xxx, xxx
Destination: CSMT

---

DFHCA5284E  date time applid netname tranid Error analyzing RDL subcommand: xxxxxxxx....
Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.
System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxx, xxx, xxx
Destination: CSMT

---

DFHCA5285E  date time applid netname tranid Invalid verb in RDL subcommand: xxxxxxxx....
Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.
System action: The utility attempts to
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxx, xxx, xxx
Destination: CSMT

---

DFHCA5286E  date time applid netname tranid Unable to create resource definition on CSD file: xxxxxxxx....
Explanation: This message is issued during the processing of the indicated (truncated) command for one of the following reasons

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxx, xxx, xxx
Destination: CSMT
1. The CSD is full (in which case, messages DFHCA5175 and DFHCA5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFHCA5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFHCA5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFHCA5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

**System action:** The system action depends on the reason the message is issued, as follows.
1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to
   a. Close any files previously opened internally.  
   b. Unload any extract exit routines that were dynamically loaded.  
   c. Invoke the termination exit routine (if supplied).  
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

**User response:** The user response depends on the reason the message is issued, as follows.
1. See message DFHCA5175 and DFHCA5176.
2. See message DFHCA5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFHCA5165.
4. See message DFHCA5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

**Module:** DFHCAP

---

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx, xxxx, xxxx

**Destination:** CSMT

**DFHCA5287E** date time applid netname tranid Extract terminated at user's request. RC=retcode

**Explanation:** A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a nonzero value in register 15 on return from a user exit program. Subsequent messages indicate any further problems encountered by the utility.

**System action:** Execution of the utility command is terminated. This message is followed by DFHCA5104.

**User response:** Determine the cause of the error detected by the user exit program, using the return code retcode provided and the relevant documentation of the user exit program.

**Module:** DFHCAP

**Destination:** CSMT

---

**DFHCA5288E** Get-command terminated at user's request. RC=retcode

**Explanation:** The GET-COMMAND exit has returned a value other than UERCNORM ('00'X) or UERCDONE ('04'X) indicating that the GET-COMMAND exit was unsuccessful.

**System action:** Execution of the utility command is terminated.

**User response:** Correct the operation of the GET-COMMAND user exit before re-running the utility. Consult the documentation or listing supplied with the user exit for information on how to diagnose and fix the problem.

**Module:** DFHCAP

**Destination:** SYSPRINT

---

**DFHCA5290W** Table tabtype macro mactype=value is not supported. Value is changed to newvalue.

**Explanation:** During a table tabtype migration for macro mactype, value is not supported. value has been migrated as newvalue.

**System action:** The utility creates the definition for the resource with the changed value. Normal utility processing continues.

**User response:** Review the object definition to ensure that the modified definition is acceptable.

**Module:** DFHCSDUP
DFHCA5291E • DFHCA5503E

Destination: SYSPRINT

DFHCA5291E Unable to define object object in group group. Migration is terminated.

Explanation: The DFHCSDUP migration utility could not define object in the group specified. The migration cannot continue.

System action: The utility terminates the migration of the table.

User response: Verify that the specified group is the correct group and review prior errors to determine why the migration utility could not create the definition in the group.

Module: DFHCSDUP

Destination: SYSPRINT

DFHCA5293W Total object definitions skipped due to error: number

Explanation: CICS issues this message after migrating a CICS table. number definitions of type object were not migrated. See one or more DFHCA5292 messages issued prior to this message.

System action: Utility processing continues.

User response: Correct the prior errors and manually define the skipped objects.

Module: DFHCSDUP

Destination: SYSPRINT

DFHCA5294E number object-1 were not matched with a corresponding object-2.

Explanation: CICS issues this message if there are object-1 table definitions that have not been defined because the table was not defined correctly. object-1 table definitions must refer to a object-2 in the table.

System action: The migration of the table ends.

User response: Reassemble the table with the current release macro source.

Module: DFHCSDUP

Destination: SYSPRINT

DFHCA5296W Table tabtype TYPE=mactype parameter does not support multiple values.

Explanation: Multiple values were specified for TYPE=mactype parameter The migration of the tabtype table supports only one value.

System action: The migration utility ignores the additional values. The migration continues.

User response: Review the migrated definition to ensure that the new single value is acceptable.

Module: DFHCSDUP

Destination: SYSPRINT

DFHCA5501E date time applid netname tranid Command not executed. keyword must be specified.

Explanation: A keyword keyword, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, keyword

Destination: CSMT

DFHCA5502W date time applid netname tranid xxxxxxx implies yyyyyyy.

Explanation: The value xxxxxxx specified in a DEFINE or CREATE command has caused another value yyyyyyy, which is not a normal default, to be assumed.

System action: Normal utility processing continues.

User response: Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.

If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy

Destination: CSMT

DFHCA5503E date time applid netname tranid Command not executed. xxxxxxx option conflicts with yyyyyyy option and is ignored.

Explanation: Two options, xxxxxxx and yyyyyyy, that are mutually exclusive have been specified.

System action: The utility ignores the command.

User response: Correct the command.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy

Destination: CSMT
DFHCA5504E  date time applid netname tranid
Command not executed. Use of xxxxxxx option implies yyyyyyy option must be specified.
Explanation: Option xxxxxxx requires another value, yyyyyyy.
System action: The utility ignores the command.
User response: Specify yyyyyyy.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT

DFHCA5505W  date time applid netname tranid Program DFHMSP requires a TWASIZE of at least 528.
Explanation: A DEFINE or CREATE TRANSACTION command for the message switching program, DFHMSP, has given it a TWASIZE of less than 528 bytes. If it is to be a definition for the CICS-supplied program of that name, it will not execute correctly.
System action: Normal utility processing continues.
User response: Check that the resulting resource definition is as you expect.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT

DFHCA5506E  date time applid netname tranid
Command not executed. For xxxxxxx many options, including yyyyyyy, are meaningless.
Explanation: A keyword or value has been specified that is not consistent with another.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT

DFHCA5507E  date time applid netname tranid
Command not executed. xxxxxxx value must be greater than yyyyyyy value.
Explanation: A value has been specified that is not consistent with another. xxxxxxx must be greater than yyyyyyy.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid
Destination: CSMT

DFHCA5508E  date time applid netname tranid
Command not executed. xxxxxxx value must be less than or equal to yyyyyyy value.
Explanation: A value has been specified that is not consistent with another. The value xxxxxxx must be less than or equal to yyyyyyy.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT

DFHCA5509E  date time applid netname tranid
Command not executed. xxxxxxx name must not be the same as yyyyyyy name.
Explanation: Some values in DEFINE or CREATE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT

DFHCA5510W  date time applid netname tranid
names beginning with yyyyyyy are reserved and may be redefined by CICS.
Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.
System action: Normal utility processing continues.
User response: Check that the resulting resource definition is as you expect.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT
DFHCA5511W  * DFHCA5517E

**DFHCA5511W**  
*time applid netname tranid xxxxxxx name yyyyyyy is reserved and may be redefined by CICS.*

**Explanation:** CICS supplies standard programs and transactions whose names you should usually avoid.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

**Destination:** CSMT

---

**DFHCA5512W**  
*time applid netname tranid Program name begins with 'DFH' but transaction name does not begin with 'C'.*

**Explanation:** CICS supplies standard programs and transactions whose naming conventions you should avoid.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**DFHCA5513E**  
*time applid netname tranid Command not executed. The second value of xxxxxxx must not be greater than the first.*

**Explanation:** Some keywords take pairs of values which are essentially maximum and minimum values.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx

**Destination:** CSMT

---

**DFHCA5514E**  
*time applid netname tranid Command not executed. With SESSNAME there can only be one COUNT and its value must be 1.*

**Explanation:** The use of SESSNAME in a DEFINE or CREATE SESSIONS command means that a single-session, either for sending or receiving, is required.

**System action:** The utility ignores the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx

**Destination:** CSMT

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**DFHCA5515W**  
*time applid netname tranid AUTOPAGE(NO) has been specified for a 3270 print device.*

**Explanation:** A DEFINE or CREATE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**DFHCA5516W**  
The values of DEVICE and SESSIONTYPE are equivalent to DEVICE(devtype) and have been replaced.

**Explanation:** A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.

This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, devtype

**Destination:** CSMT

---

**DFHCA5517E**  
*time applid netname tranid Command not executed. prefix and COUNT together make more than four characters.*

**Explanation:** In a SESSIONS definition, the prefix parameter (SENDPFX or RECEIPEPFX) is used to generate session names by adding numeric suffixes up to the corresponding count value (SENDCOUNT or RECEIVECOUNT). Since the session names cannot be longer than four characters, when the count of sessions exceeds 99 the prefix can only be one character.

**System action:** The command is not executed.
**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, prefix

**Destination:** CSMT

---

**DFHCA5518W**  
*date time applid netname tranid*  
XTRANIDS **xxxxxxx are reserved and may be redefined by CICS.**

**Explanation:** CICS supplies programs and transactions whose names you should usually avoid.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx

**Destination:** CSMT

---

**DFHCA5519E**  
*date time applid netname tranid*  
Command not executed. **xxxxxxx value yyyyyyy is invalid.**

**Explanation:** A value yyyyyyy has been specified for keyword xxxxxxxx which is not valid. It may for instance be non-numeric.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

**Destination:** CSMT

---

**DFHCA5520W**  
*date time applid netname tranid*  
The value of DEVICE is equivalent to **xxxxxxx and has been replaced.**

**Explanation:** A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

The CICS Resource Definition Guide provides further information about these simpler equivalent devices.

**Module:** DFHCAP

---

**DFHCA5521E**  
*date time applid netname tranid*  
**Command not executed. Length of xxxxxxxx value is more than allowed.**

**Explanation:** A character value in a DEFINE or CREATE command is too long.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx

**Destination:** CSMT

---

**DFHCA5522E**  
*date time applid netname tranid*  
**Command not executed. File DFHCSD must be defined in the SIT and not the CSD.**

**Explanation:** DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

**System action:** The utility ignores the command.

**User response:** Correct the command. Define DFHCSD in the SIT.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxx

**Destination:** CSMT

---

**DFHCA5524W**  
*date time applid netname tranid*  
BMS route for console may cause unpredictable results if maps or TEXT(ACCUM) used on device.

**Explanation:** The routing of multiline maps or accumulated text to the console is not supported.
**DFHCA5525W • DFHCA5531W**

**System action:** Normal processing continues.

**User response:** Ensure that the unsupported console operations are disabled.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**DFHCA5525W** date time applid netname tranid xxxxxxxx value is not valid, yyyyyyyyy has been assumed.

**Explanation:** The value xxxxxxxx is not valid. The value yyyyyyyyy has been assumed.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxxx, yyyyyyyyy

**Destination:** CSMT

---

**DFHCA5526E** date time applid netname tranid xxxxxxxx must have rows and columns specified.

**Explanation:** xxxxxxxx must have rows and columns specified.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxxx

**Destination:** CSMT

---

**DFHCA5527E** date time applid netname tranid Command not executed. Remote options are ignored for programs starting with DFH.

**Explanation:** CICS supplies standard programs which are not allowed to have remote attributes.

**System action:** The command is ignored.

**User response:** Correct the command by deleting the remote attributes from the program definition.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**DFHCA5528E** date time applid netname tranid Command not executed. Value of keyword is out of valid range.

**Explanation:** An invalid value has been supplied for the specified keyword.

**System action:** The utility ignores the command.

**User response:** Supply a valid keyword value and retry.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword

**Destination:** CSMT

---

**DFHCA5529E** date time applid netname tranid keyword or keyword must be specified.

**Explanation:** Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

**System action:** The utility ignores the command.

**User response:** Supply one of the indicated keywords and retry.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword, keyword

**Destination:** CSMT

---

**DFHCA5530W** date time applid netname tranid XTRANIDS ending with string are reserved and may be redefined by CICS.

**Explanation:** CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

**System action:** Normal utility processing continues.

**User response:** Check that the resulting resource definition is as you expect.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, string

**Destination:** CSMT

---

**DFHCA5531W** date time applid netname tranid XTRANIDS beginning with string are reserved and may be redefined by CICS.

**Explanation:** CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

**System action:** Normal utility processing continues.
DFHCA5532E  date time applid netname tranid
Command not executed. An invalid combination of rows and columns has been specified for ALTSCREEN.

Explanation: One of the specified values is zero and the other is nonzero. This is an invalid combination.

System action: The utility ignores the command.

User response: Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, string
Destination: CSMT

DFHCA5533W  date time applid netname tranid
Specified keyword1 value is less than keyword2 value. The default value has been assumed.

Explanation: A value has been specified for keyword1 that is incompatible with the value for keyword2.

System action: The utility assumes the default value for keyword1 and processes the command.

User response: Ensure that the resulting resource definition is acceptable.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, string, keyword1, keyword2
Destination: CSMT

DFHCA5534W  date time applid netname tranid
When you change the value of DEVICE many other values may be changed for you.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System action: Normal utility processing continues.

User response: Check that the resulting resource definition is as you expect. See the CICS Resource Definition Guide for more guidance.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, string
Destination: CSMT

DFHCA5535E  date time applid netname tranid
resource name is reserved by CICS.

Explanation: The user specified a resource name resource name for resource type restype which is reserved for use by CICS.

System action: The utility ignores the command.

User response: Specify a different resource name.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname
Destination: CSMT

DFHCA5536W  date time applid netname tranid keyword1
and keyword2 attributes are inconsistent if definition is being shared with a back-level release.

Explanation: keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating or creating the resource, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System action: The resource is created or updated.

User response: If sharing the resource with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, restype, keyword1, keyword2
Destination: CSMT

DFHCA5537W  date time applid netname tranid Prefix
allowed to default. Use of defaults is recommended for MRO sessions only.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value '>' is supplied by CICS for send sessions and '<' for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use, because duplicate names may occur if large numbers of sessions are defined.

System action: CICS generates session names using these prefixes.

User response: If this is an LU6.1 session, it is
recommended that a different prefix should be chosen.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

---

**DFHCA5538W**

*date time applid netname tranid*

*resource names starting with x may conflict with system sessions names.*

**Explanation:** The resource resource has been given a name starting with the character x, which might be used for system-generated SESSIONS names.

**System action:** The definition is created or updated.

**User response:** Ensure there is no conflict with the name given to the resource and SESSIONS names.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource, x

**Destination:** CSMT

---

**DFHCA5539S**

*date time applid netname tranid*

*keyword is not valid because it starts with the reserved character or string.*

**Explanation:** The name you have given to keyword is not valid because the name begins with a reserved character or string such as “C” or “DFH”.

**System action:** The definition is not created.

**User response:** Change the name of the keyword.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword, string

**Destination:** CSMT

---

**DFHCA5540 W**

*date time applid netname tranid*

*xxxxxxx value is greater than yyyyyyy value. The lower value takes precedence.*

**Explanation:** A value has been specified that is not consistent with another. The value xxxxxx is greater than value yyyyyyy. Value yyyyyyy takes precedence and overrides the higher value.

**System action:** The definition is created or updated with the two values as specified.

**User response:** Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, x, y

**Destination:** CSMT

---

**DFHCA5542 E**

*date time applid netname tranid*

*Command not executed. xxxxxx and yyyyyyy must be the same length.*

**Explanation:** Two options, xxxxxx and yyyyyyy, have been specified but the length of the respective operands must be the same.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, x

**Destination:** CSMT

---

**DFHCA5543 E**

*date time applid netname tranid*

*Command not executed. Generic characters must be in the same position in xxxxxx and yyyyyyy.*

**Explanation:** Two options, xxxxxx and yyyyyyy, have been specified containing generic characters. The generic characters must be placed in the same position for both keywords.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource, x

**Destination:** CSMT

---

**DFHCA5544 E**

*date time applid netname tranid*

*Command not executed. x must be specified as yyyyyyy because a previous value is generic.*

**Explanation:** The options, xxxxxx, must be specified as yyyyyyy because a previous option value was specified as generic.

**System action:** The utility ignores the command.

**User response:** Correct the command.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, x

**Destination:** CSMT

---

**DFHCA5546 E**

*date time applid netname tranid*

*Command not executed. xxxxxx is not valid as a type yyyyyyy parameter.*

**Explanation:** The options specified conflict. If TYPE EJB is specified, the respective ejb-type options must be
specified. The ejb-type attributes are BEANNAME and INTFACETYPE. Likewise, for TYPE CORBA, the corba-type attributes must be specified. These are MODULE and INTERFACE. For TYPE GENERIC, either attributes may be specified but they should be generic.

System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT

DFHCA5547 E  date time applid netname tranid
Command not executed. xxxxxxx value yyyyyyy is invalid.
Explanation: A value yyyyyyy has been specified for keyword xxxxxxx which is not valid. It may for instance be non-numeric.
System action: The utility ignores the command.
User response: Correct the command.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx, yyyyyyy
Destination: CSMT

DFHCA5548 E  date time applid netname tranid
Command not executed. xxxxxxx option is invalid for a back level REQUESTMODEL.
Explanation: The options specified conflict. If CORBASERVER name is blank and the respective previous level attributes (OMGMODULE, OMGOPERATION, and OMGINTERFACE) are specified, the use of BEANNAME, MODULE, INTERFACE and OPERATION is not allowed. It is not possible to give a back level requestmodel definition new attributes. The old requestmodel must be discarded and redefined with the new attributes if it is required to be used on this level of CICS.
System action: The utility ignores the command.
User response: Correct the command. If this requestmodel is being maintained for a back level CICS system, specify only the attributes OMGMODULE, OMGOPERATION, OMGINTERFACE and TRANSID. However, to use an old requestmodel on this level of CICS, it must be discarded and redefined with the new attributes.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxx

DFHCA5550 W date time applid netname tranid keyword1 implies keyword2. The default value has been assumed.
Explanation: keyword1 has been specified with a value that is incompatible with the value for keyword2.
System action: The utility changes keyword1 to set the default value and processes the command.
User response: Ensure that the resulting resource definition is acceptable.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, keyword1, keyword2
Destination: CSMT

DFHCA5551 E date time applid netname tranid
Command not executed. keyword1 cannot be specified as generic unless keyword2 is also generic.
Explanation: keyword1 has been specified with a generic name containing wildcard characters (asterisks or plus signs). But this is only permitted when keyword2 is also specified as a generic name.
System action: The utility ignores the command.
User response: If it is required that keyword1 must be generic, ensure that keyword2 is also specified with a generic name.
Module: DFHCAP
XMEOUT Parameters: date, time,applid, netname, tranid, keyword1, keyword2
Destination: CSMT
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DFHCA5552 E  date time applid netname tranid
Command not executed. CIPHER value 'value' is not in the valid set (list).

Explanation: The CIPHER attribute has been specified with an invalid value, value, which is not in the valid set of cipher values as indicated by list.

System action: The utility ignores the command.

User response: Ensure that you have defined a set of CIPHER values which are correct for this CICS address space.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, value, list

Destination: CSMT

DFHCA5553 E  date time applid netname tranid
Command not executed. field cannot start with a 'char'.

Explanation: The named attribute field, field, starts with an invalid character, char. This is commonly caused by the field starting with an '*' which is not allowed.

System action: The utility ignores the command.

User response: Change the named attribute field to start with a permitted character.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, field, char

Destination: CSMT

DFHCA5554 W  date time applid netname tranid Use of static attribute field1 forces field2.

Explanation: The Server URIMAP attribute field, field1 is within the set that returns a static response. This has forced the setting of field2. This is commonly caused by specifying MEDIATYPE, CHARACTERSET, HOSTCODEPAGE, TEMPLATENAME or HFSFILE with ANALYZER(YES) when ANALYZER(NO) is required.

System action: The utility continues.

User response: None.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, field1, field2

Destination: CSMT

DFHCA5555 E  date time applid netname tranid
Command not executed. There must be at least one attribute specified.

Explanation: At least one of the named attribute fields, attribute, must be specified for this resource.

System action: The utility ignores the command.

User response: Ensure that you have specified at least one of the required attributes.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, attribute

Destination: CSMT

DFHCA5556 E  date time applid netname tranid
Command not executed. resource names beginning with 'yyy' are reserved and cannot be used.

Explanation: CICS supplies standard programs and transactions whose names you should avoid. For this type of resource, however, you must not use reserved names.

System action: The utility ignores the command.

User response: Rename the resource definition to an appropriate name.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, resource, yyy

Destination: CSMT

DFHCA5557 E  date time applid netname tranid
Command not executed. 'xxxxxxx' is a reserved name and cannot be used as a resource name.

Explanation: Certain names are reserved and are not allowed to be used as resource names.

System action: The utility ignores the command.

User response: Rename the resource definition to an appropriate name.

Module: DFHCAP

XMEOUT Parameters: date, time,applid, netname, tranid, xxxxxxxx, resource

Destination: CSMT

DFHCA5558 W  date time applid netname tranid
A ranking value less than 10 for LIBRARY 'resource' means it will appear before DFHRPL in the search order.

Explanation: The ranking value of 10 is reserved for DFHRPL library. If you specify a ranking value less
than 10 this LIBRARY resource will appear ahead of the
DFHRPL in the library search order.

System action: The utility continues.
User response: Ensure that you definitely want the
specified LIBRARY to appear before the DFHRPL in the
library search order. Otherwise, define the LIBRARY
resource with a RANKING value greater than 10.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource
Destination: CSMT

DFHCA5559 W  date time applid netname tranid HOST
conflicts with IPADDRESS. HOST takes precedence.
Explanation: HOST is the preferred attribute for
specifying IP addresses for TCPIPSERVICE. If both
HOST and IPADDRESS are specified on your
TCPIPSERVICE definition and they are different, the
system takes the HOST value and ignores the
IPADDRESS.
System action: The utility continues.
User response: Use HOST in preference to
IPADDRESS or ensure that they are the same.
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5601 E  date time applid netname tranid Unable
to load the tabletype table named table.
Explanation: Table table cannot be loaded.
System action: The system action depends on the type
of table.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table
Destination: CSMT

DFHCA5602 E  date time applid netname tranid Unable
to unload the tabletype table named table.
Explanation: Table table cannot be unloaded.
System action: The system action depends on the type
of table.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table
Destination: CSMT

DFHCA5600 E  date time applid netname tranid Unable
to get storage for module DFHCICS.
Primary CSD not initialized.
Explanation: There is insufficient storage to load
module DFHCICS.
FCT or RDT

The CSD utility cannot unload the table, and terminates the processing of the utility command.

User response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, table, tabletype

Destination: CSMT

DFHCA5604 E date time applid netname tranid Unable to obtain storage for the cross-reference table named table.

Explanation: DFHCSDUP was unable to obtain storage for table table.

System action: DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response: Increase the region size and retry the command.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, table

Destination: CSMT

DFHCA5605 E date time applid netname tranid Disallowed character in group or list name object.

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User response: Use the CEDA transaction to define the resource with a valid name.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, object

Destination: CSMT

DFHCA5606 S date time applid netname tranid Command is not executed. Unable to load the service module progname.

Explanation: The service module, progname, cannot be loaded due to insufficient storage.

System action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User response: Retry the utility command with an increased region size.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, progname

Destination: CSMT

DFHCA5607 S date time applid netname tranid Command is terminated. An error occurred while reading the first secondary CSD record.

Explanation: An I/O error has occurred on the secondary CSD file.

System action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

Destination: CSMT

DFHCA5608 S date time applid netname tranid Command is terminated. Error occurred while reading a secondary CSD record.

Explanation: An I/O error has occurred on the secondary CSD file.

System action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL
corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5609 S  date time applid netname tranid
Command is terminated. Error occurred while writing a primary CSD record.

Explanation: An I/O error has occurred on the primary CSD file.

System action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
Destination: CSMT

DFHCA5611 E  date time applid netname tranid
Command not executed. 'parameter' parameter must begin with 'DFH'.

Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System action: The utility does not process the command.

User response: Resubmit the MIGRATE command with a valid table name or group name.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, parameter
Destination: CSMT

DFHCA5612 I  date time applid netname tranid resource object in group grpname is unchanged.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System action: Normal utility processing continues.

User response: None.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, grpname
Destination: CSMT

DFHCA5613 E  date time applid netname tranid Unable to locate the library member member.

Explanation: The member is not in the libraries named in the JCL.

System action: The utility terminates processing of the command that required access to library member member.

User response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, member
Destination: CSMT

DFHCA5614 E  date time applid netname tranid Unable to load the library member member.

Explanation: DFHCSDUP could not load library member member.

System action: The utility terminates processing of the command that required access to the library member.

User response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, member
Destination: CSMT

DFHCA5617 S  date time applid netname tranid
Command is terminated. Unrecognised type of record encountered while secondary CSD was being read.

Explanation: The record-type field of an input CSD record is invalid.

System action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the
DFHCA5618 I  DFHCA5623 S

CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid, ret-code, exit

**Destination:** CSMT

DFHCA5618 I  date time applid netname tranid

An attention interrupt was requested during DFHCSDUP execution.

**Explanation:** An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

**System action:** Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the CICS Customization Guide for more information about put-message exits.

**User response:** None.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT

DFHCA5619 W  date time applid netname tranid

An invalid value of the PAGESIZE parameter has been specified. The default value of 60 lines per page will be used.

**Explanation:** A value of the PAGESIZE parameter outside the allowed range (4-9999) has been specified.

**System action:** The default value of 60 lines per page is taken.

**User response:** Ensure that a valid PAGESIZE value is specified in future.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT

DFHCA5620 E  date time applid netname tranid

An illegal return code (RC=ret-code) has been returned from the exit exit.

**Explanation:** The specified user-exit routine has returned a disallowed return code.

**System action:** Processing of the utility command is terminated. The exit is not disabled.

**User response:** Investigate the specified exit routine for the cause of the return code.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT

DFHCA5621 W date time applid netname tranid

A non-zero return code has been returned from the put-message exit.

**Explanation:** The put-message exit routine has returned a disallowed return code.

**System action:** Processing of the utility command is terminated and the put-message exit is disabled.

**User response:** Investigate the put-message exit routine for the cause of the return code.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT

DFHCA5622 S date time applid netname tranid

The secondary CSD has been closed during clean-up processing following the interception of an abend.

**Explanation:** An abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post-ABEND cleanup processing.

**System action:** Processing of the utility command is terminated.

**User response:** Refer to prior messages for further information regarding this problem.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT

DFHCA5623 S date time applid netname tranid

The primary CSD has been closed during clean-up processing following the interception of an abend.

**Explanation:** An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post-ABEND cleanup processing.

**System action:** Processing of the utility command is terminated.

**User response:** Refer to prior messages for further information regarding this problem.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time,applid, netname, tranid

**Destination:** CSMT
**DFHCA5624 S** date time applid netname tranid The extract exit program has been unloaded during clean-up processing following the interception of an abend.

**Explanation:** An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-ABEND cleanup processing.

**System action:** The EXTRACT command is terminated.

**User response:** Refer to prior messages for further information regarding the problem.

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

**Destination:** CSMT

**DFHCA5630 W** date time applid netname tranid No IBM supplied definition found for resource type resourcename.

**Explanation:** While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

**System action:** The utility continues.

**User response:** None.

**Module:** DFHCSDUP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resourcetype, resourcename

**Destination:** CSMT

**DFHCA5631 I** date time applid netname tranid resourcetype resourcename in group groupname1 matches the IBM supplied definition in group groupname2.

**Explanation:** While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

**System action:** The utility continues.

**User response:** None.

**Module:** DFHCSDUP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resourcetype, resourcename, groupname1, groupname2

**Destination:** CSMT

**DFHCA5632 I** date time applid netname tranid resourcetype resourcename in group groupname1 does not match the IBM supplied definition in group groupname2.

**Explanation:** While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it does not match the IBM supplied definition in group groupname2.

**System action:** The utility continues.

**User response:** None.

**Module:** DFHCSDUP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resourcetype, resourcename, groupname1, groupname2

**Destination:** CSMT

**DFHCA5633 I** date time applid netname tranid resourcetype resourcename found in group groupname.

**Explanation:** While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname. No IBM supplied definition was found to perform a compare against.

**System action:** The utility continues.

**User response:** None.

**Module:** DFHCSDUP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resourcetype, resourcename, groupname

**Destination:** CSMT

**DFHCA5634 W** date time applid netname tranid resourcetype resourcename not found in user groups.

**Explanation:** While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

**System action:** The utility continues.

**User response:** None.

**Module:** DFHCSDUP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resourcetype, resourcename

**Destination:** CSMT
DFHCC0001  DFHCC0004

DFHCCnnnn messages

DFHCC0001  applid  An abend (code  aaa/bbbb) has occurred at offset X'offset' in the local | global catalog module modname

Explanation:  An abnormal end (abend) or program check has occurred in module modname and will have occurred in either the local (DFHLCD) or the global (DFHGCD) catalog domains. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code  aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action:  An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCCDM, DFHCCCC

XMEOUT Parameters:  applid, 1=local, 2=global, X'offset', modname

Destination:  Console

DFHCC0004  applid  A possible loop has been detected in the local | global catalog at offset X'offset' in module modname

Explanation:  A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action:  An exception entry is made in the trace table.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHCCDM, DFHCCCC

XMEOUT Parameters:  applid, 1=local, 2=global, X'offset', modname

Destination:  Console

DFHCC0100  applid  Global Catalog initialization failure.  [GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB.]

R15 = X'yy'  VSAM error code = X'zz'

Explanation:  A VSAM error has occurred during global catalog initialization.

The VSAM codes given are explained in the z/OS DFSMS Macro Instructions for Data Sets manual.

The possible versions of this message include the text

- “GENERATE ACB”.
- “GENERATE RPL”.

The GENCB failed with the R15 condition given in X'yy'.

The X'zz' code is only meaningful if X'yy' is X'04' when X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.

- “OPEN ACB”.

OPEN has failed with the R15 condition code X'yy'.

This was followed by a successful SHOWCB which
has placed the OPEN error code into X’zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

- “OPEN, SHOWCB”.
  OPEN has failed with the R15 condition code X’yy’.
  This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X’zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action:** A system dump is produced, then CICS is terminated.

**Message DFHME0116** should be produced containing the symptom string for this problem.

**User response:** Look up the error codes in the VSAM Programmer’s Guide, correct it then retry. If this fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCDM

**Destination:** Console

---

DFHCC0101 LOCAL CATALOG INITIALIZATION ERROR.

**GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB | R15 = X‘yy’ VSAM ERROR CODE = X‘zz’

**Explanation:** A VSAM error has occurred during local catalog initialization.

The VSAM codes given are explained in the z/OS DFSMS Macro Instructions for Data Sets manual.

The possible versions of this message include the text

- “GENERATE ACB”.
- “GENERATE RPL”.
  The X’zz’ code is only meaningful when X’yy’ is X’04’ when X’zz’ is the error code returned by VSAM Register 0 in response to a GENCB macro.
- “OPEN ACB”.
  OPEN has failed with the R15 condition code X’yy’.
  This was followed by a successful SHOWCB which has placed the OPEN error code into X’zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

- “OPEN, SHOWCB”.
  OPEN has failed with the R15 condition code X’yy’.
  This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X’zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

**System action:** A system dump is produced, then CICS is terminated.

**User response:** Look up the error codes in the VSAM Programmer’s Guide, correct it then retry. If this fails, notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCDM

**Destination:** Console

---

DFHCC0102 applid Global Catalog data set is already in use.

**Explanation:** The VSAM error reported in the previous DFHCC0100 message suggests that the global catalog is already being used, possibly by another CICS region. The global catalog data set cannot be shared.

**System action:** CICS is terminated.

**User response:** Ensure that the DFHGCD DD statement for this CICS specifies a different global catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCDM

**Destination:** Console

---

DFHCC0103 LOCAL CATALOG DATA SET IS ALREADY IN USE.

**Explanation:** The VSAM error reported in the previous DFHCC0101 message suggests that the local catalog is already being used, possibly by another CICS region. The local catalog data set cannot be shared.

**System action:** CICS is terminated.

**User response:** Ensure that the DFHLCD DD statement for this CICS specifies a different local catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCDM

**Destination:** Console
**DFHCC0104 · DFHCC0201**

**Module:** DFHCCDM  
**Destination:** Console

**DFHCC0104** AN ABEND HAS OCCURRED DURING INITIALIZATION OF CATALOG DOMAIN IN MODULE DFHCCDM.

**Explanation:** DFHCCDM's recovery routine received control during pre-initialization of the local catalog (CC) domain.

**System action:** A system dump with dump code KERNDUMP is taken and CICS terminates.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCDM  
**Destination:** Console

**DFHCC0105** applid The {local | global} catalog is incorrectly defined.  

**Explanation:** The catalog data set, DFHLCD or DFHGCD, has been defined incorrectly for this release of CICS. Either the key length or the maximum record size is incorrect. The key length must be equal to the expected key length req_keylen. The maximum record size must be greater than or equal to the expected maximum record size req_lrecl.

**System action:** An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**User response:** Recreate and initialize the catalog as described in the relevant section of the information center for this release of CICS.

**Module:** DFHCCDM  
**Destination:** Console

**DFHCC0200** applid VSAM error on the {local | global} catalog data set. VSAM return code in R15 = X'yy' RPL-FDBK=X'zz'.

**Explanation:** A catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

**System action:** A system dump is produced, then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If possible, correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the VSAM Programmer's Guide GC26-3838.

Inform the system programmer because this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCCCC  
**XMEOUT Parameters:** applid, {1=CC, 2=GC}, yy, zz  
**Destination:** Console

**DFHCC0201** VSAM ERROR ON THE LOCAL CATALOG DATA SET, VSAM RETURN CODE IN R15 = X'yy' FDBK=X'zz'.

**Explanation:** A local catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

**System action:** A system dump is produced then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump.
**DFHCC0202 • DFHCE3500**

**DFHCC0202**  
*applid The {local | global} catalog has started to use new secondary space allocation.*

**Explanation:** Secondary space may be specified when the catalog data sets DFHLCD and DFHGCD are defined. This message is issued when the catalog starts using an additional space allocation.

See the *CICS System Definition Guide* for more information on controlling CICS storage.

**System action:** An exception entry is made in the trace table, provided that trace is available at this time.

**User response:** There are two possibilities.
- The system is in a loop which involves calls to the catalog to write onto the catalog data set. This is the most likely cause if the system suddenly starts to produce this message repeatedly.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is only produced infrequently (and only a few are ever produced).

Look for any other symptoms of possible looping, and act accordingly. If looping has occurred then the system programmer should redefine the catalog for the next CICS initial start.

If CICS was not looping then notify the system programmer, who should increase the primary space allocated for this data set during the next CICS initial start.

**Module:** DFHCCCC  
**Destination:** Console  

**DFHCE3500**  
*Unable to interpret keyword data. Sign-on is terminated.*

**Explanation:** The keyword data supplied when invoking the sign on transaction is invalid.

**System action:** Signon terminates.

**User response:** Use the correct format to invoke the sign on transaction. The correct format is
DFHCE3501 • DFHCE3522

CESN USERID=userid,GROUPID=groupid,
PS=password,NEWPS=new_password,
LANGUAGE=language_code

See the CICS Supplied Transactions manual.

Module: DFHSNP
Destination: Terminal End User

DFHCE3501 Invalid keyword. Sign-on is terminated.
Explanation: The keyword which was entered was invalid.
System action: The sign on transaction terminates.
User response: Use a valid character keyword within the range 1-8.
Module: DFHSNP
Destination: Terminal End User

DFHCE3502 Your userid must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the USERID keyword has less than 1 or more than 8 characters.
System action: Sign on terminates.
User response: Use a valid userid.
Module: DFHSNP
Destination: Terminal End User

DFHCE3503 Incorrect password length. Sign-on is terminated.
Explanation: The value of the PS keyword is incorrect. A password is between 1 and 8 characters. A password phrase is between 9 and 100 characters. Your security administrator may change the minimum or maximum lengths.
System action: Sign on terminates.
User response: Enter a password of the right length. If this still fails, check with your security administrator whether they have changed the minimum or maximum password lengths.
Module: DFHSNP
Destination: Terminal End User

DFHCE3504 Incorrect new password length. Sign-on is terminated.
Explanation: The value of the NEWPS keyword is incorrect. A password is between 1 and 8 characters. A password phrase is between 9 and 100 characters. Your security administrator may change the minimum or maximum lengths.
System action: Signon terminates.
User response: Enter a password of the right length. If this still fails, check with your security administrator whether they have changed the minimum or maximum password lengths.
Module: DFHSNP
Destination: Terminal End User

DFHCE3506 Your groupid must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the GROUPID keyword has less than 1 or more than 8 characters.
System action: Signon terminates.
User response: Use a valid group name.
Module: DFHSNP
Destination: Terminal End User

DFHCE3507 Your language code must be three characters. Sign-on is terminated.
Explanation: The value of the LANGUAGE keyword is not a three-letter code.
System action: Signon terminates.
User response: Use a valid language code.
Module: DFHSNP
Destination: Terminal End User

DFHCE3520 Please type your userid.
Explanation: The system requests a userid.
System action: None.
User response: Enter your userid.
Module: DFHSNP
Destination: Terminal End User

DFHCE3521 CICS sign-on. Please type your userid.
Explanation: The system requests a userid.
System action: The system waits for a response.
User response: Enter your userid.
Module: DFHSNP
Destination: Terminal End User

DFHCE3522 CICS sign-on. Please type your userid==>
Explanation: The system requests a userid.
System action: The system waits for a response.
User response: Enter your userid.
DFHCE3523 • DFHCE3531

Module: DFHSNP
Destination: Terminal End User

DFHCE3523  Please type your password.
Explanation: The system requests a password.
System action: The system waits for a response.
User response: Enter your password.

Module: DFHSNP
Destination: Terminal End User

DFHCE3524  Please type your password==>@@@@@@@@
Explanation: The system requests a password.
@@@@@@@@ represents a character string provided by CICS to prevent the password being seen.
System action: The system waits for a response.
User response: Enter your password.

Module: DFHSNP
Destination: Terminal End User

DFHCE3525  Your password has expired. Please type your new password.
Explanation: The system requires a new password.
System action: The system waits for a response.
User response: Enter a new password.

Module: DFHSNP
Destination: Terminal End User

DFHCE3526  Your password has expired. Please type your new password==>@@@@@@@@
Explanation: The system requests a new password.
@@@@@@@@ represents a character string provided by CICS to prevent the new password being seen.
System action: The system waits for a response.
User response: Enter a new password.

Module: DFHSNP
Destination: Terminal End User

DFHCE3527  Use your magnetic (OPID) card or press ENTER to cancel.
Explanation: A magnetic card is required.
System action: The system waits for an opid (magnetic) card.
User response: Supply badge or terminate transaction.

Module: DFHSNP

DFHCE3528  Signon failed during SECLABEL checking.
Explanation: The signon request has failed because the external security manager (ESM) detected a critical error.
System action: The signon transaction terminates.
User response: Refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.

Module: DFHSNP
Destination: Terminal End User

DFHCE3529  The ESM is currently not accepting signons. Please try later.
Explanation: The signon request has failed because the external security manager (ESM) was in a tranquil state. When in a tranquil state, only signons from special users are accepted.
System action: The sign on transaction terminates.
User response: The ESM has probably been put into a tranquil state to allow for ESM database maintenance. Determine whether maintenance is currently occurring and how long it will take. When maintenance is finished the tranquil state should be removed from the ESM which will allow you to sign on to CICS. If the ESM has not been put into a tranquil state then, refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.

Module: DFHSNP
Destination: Terminal End User

DFHCE3530  Your userid is invalid. Please retype.
Explanation: Your userid is invalid.
The system requests a userid.
System action: The system waits for a response.
User response: Enter a valid userid.

Module: DFHSNP
Destination: Terminal End User

DFHCE3531  Your userid is invalid. Please retype==>
Explanation: Your userid is invalid.
The system requests a userid.
System action: The system waits for a response.
User response: Enter a valid userid.
DFHCE3532 • DFHCE3541

DFHCE3532 Your password is invalid. Please retype.
Explanation: The password entered was invalid.
System action: The system waits for a response.
User response: Enter a valid password.
Module: DFHSNP
Destination: Terminal End User

DFHCE3533 Your password is invalid. Please retype==>@@@@@@@@
Explanation: The password entered was invalid.
System action: The system waits for a response.
User response: Enter a valid password.
Module: DFHSNP
Destination: Terminal End User

DFHCE3534 Your new password is invalid. Please retype.
Explanation: The new password entered was invalid.
System action: None.
User response: Enter a valid password.
Module: DFHSNP
Destination: Terminal End User

DFHCE3535 Your new password is invalid. Please retype==>@@@@@@@@
Explanation: The new password entered was invalid.
System action: The system waits for a response.
User response: Enter a valid password.
Module: DFHSNP
Destination: Terminal End User

DFHCE3536 Invalid OPID. Please enter a valid card or press ENTER to cancel.
Explanation: The OPID entered is invalid.
System action: The system waits for a response.
User response: Enter a valid card or press ENTER to cancel the signon.
Module: DFHSNP
Destination: Terminal End User

DFHCE3537 Language is invalid. Please retype.
Explanation: The language code entered is invalid.
System action: The system waits for a response.
User response: Enter a valid language code.
Module: DFHSNP
Destination: Terminal End User

DFHCE3538 Language is invalid. Please retype==>>
Explanation: The language code entered is invalid.
System action: The system waits for a response.
User response: Enter a valid language code.
Module: DFHSNP
Destination: Terminal End User

DFHCE3539 Please reenter the new password for verification.
Explanation: You have entered a new password in the new password field and you are now being prompted to reenter the same password to assure yourself of the new password data.
System action: The system waits for a response.
User response: Reenter the new password in the password field.
Module: DFHSNP
Destination: Terminal End User

DFHCE3540 Ensure that passwords are entered in the correct case.
Explanation: This message is issued for CESL which supports passwords and password phrases. It is also issued for CESN on systems whose External Security Manager supports mixed case passwords. It is to remind you that passwords must be entered with exactly the correct lower case and upper case letters.
System action: The password will not be folded to upper case.
User response: Enter passwords in the correct case.
Module: DFHSNP
Destination: Terminal End User

DFHCE3541 Security interface error (rc). Sign-on is terminated.
Explanation: An error has been detected in an external security manager. rc is the return code from the external security manager.
System action: Signon terminates.
For a RACF signon, rc is the return code from the RACINIT macro. See the appropriate RACF manual for details of the macro return codes. The return codes are macro specific.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3542**  
**Sign-on is not allowed at this terminal. Your sign-on is ignored.**

**Explanation:** The sign on transaction cannot be executed at the current terminal for one of the following reasons

- The terminal is defined with a preset userid that cannot be changed by signing on
- The terminal is a surrogate of a terminal in another CICS region, but the sign on transaction is not executing within a session established by the CRTE transaction.

**System action:** The sign on transaction terminates.

**User response:** Do not use the sign on transaction at this terminal.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3543**  
**You have cancelled your sign-on request. Sign-on is terminated.**

**Explanation:** The user has pressed ENTER when an OPID card was requested or has entered PF3 on a 3270 terminal device.

**System action:** The sign on transaction terminates.

**User response:** Retry the sign on procedure.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3544**  
**Terminal authorization failed. Sign-on is terminated.**

**Explanation:** RACF has responded to a security request with 'Terminal not authorized' and RACF response code X'30'.

**System action:** The sign on transaction terminates.

**User response:** Inform the systems programmer, who can re-authorize the revoked user ID.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3545**  
**Application authorization failed. Sign-on is terminated.**

**Explanation:** RACF has responded to a security request with 'Application not authorized' and RACF response code X'34'.

**System action:** The sign on transaction terminates.

**User response:** Inform the systems programmer, who should refer to message DFHSN1119 on the CSCS log for the relevant information and actions necessary to resolve this problem.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3546**  
**Your signon [userid | group access] has been revoked. Sign-on is terminated.**

**Explanation:** The response from RACF indicates that either the userid that you use to signon to CICS, or your access to the RACF group that contains it, has been revoked by the system.

**System action:** The signon transaction terminates.

**User response:** Contact your RACF administrator, who can re-authorize the revoked user ID.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3547**  
**Security is not active. Sign-on cannot be performed.**

**Explanation:** A request to sign on to the CICS system was rejected because the CICS security system was not active.

A user can only sign on to CICS when CICS security is active.

The CICS security system is activated using the system initialization parameter SEC=YES.

**System action:** The sign on transaction terminates.

**User response:** None.

**Module:** DFHSNP  
**Destination:** Terminal End User

**DFHCE3548**  
**date time applid Critical error has occurred in DFHSNP. Codes: 1,2,3,4,5.**

**Explanation:** The sign on program, DFHSNP, is abnormally terminated due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be one of ASNA, ASNB or ASNC.

Codes 2, 3, 4 and 5 are codes which help IBM to
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identify the source of the error. They are id_location, EIBRRCODE, EIBRESP and EIBRESP2.

**System action:** DFHSNP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

**User response:** Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This enables you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASNA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHSNP

**XMEOUT Parameters:** date, time,applid, 1, 2, 3, 4, 5

**Destination:** CSMT

DFHCE3549  Sign-on is complete (Language language).

**Explanation:** The user has successfully signed on to the CICS system.

**System action:** CICS is ready to receive user transactions.

**User response:** Use terminal as required for CICS transactions.

**Module:** DFHSNP

**Destination:** Terminal End User

DFHCE3550  Sign-off option must be LOGOFF or GOODNIGHT. Sign-off is ignored.

**Explanation:** An option other than LOGOFF|GOODNIGHT was detected.

**System action:** The sign-off transaction terminates.

**User response:** Specify the correct option when invoking sign-off.

**Module:** DFHSFP

**Destination:** Terminal End User

DFHCE3551 date time applid termid DFHSNP has detected an invalid COMMAREA. It has been ignored. The data is lost.

**Explanation:** While processing a CESN transaction DFHSNP was passed a commarea that was not its own. This may be the result of an application issuing the EXEC CICS RETURN TRANSID(...) COMMAREA(...)

with a *transid* of nulls (X'00000000). This could be because the pointer to the *transid* is incorrectly set up or may be part of the system design.

**System action:** DFHSNP continues with CESN transaction processing.

**User response:** Investigate whether this message is issued validly as part of the system design, in which case the message can be ignored, or is an error. Investigate the previous transaction at this terminal.

**Module:** DFHSNP

**XMEOUT Parameters:** date, time,applid, termid

**Destination:** CSMT

DFHCE3554  You cannot mix passwords and password phrases in a change request.

**Explanation:** You cannot authorize a new password with a password phrase or a new password phrase with a password.

**System action:** None.

**User response:** Use a password to change a password, or a password phrase to change a password phrase.

**Module:** DFHSNP

**Destination:** Terminal End User

DFHCE3560  Sign-off is not allowed at this terminal. Sign-off is ignored.

**Explanation:** The sign-off transaction cannot be executed at the current terminal for one of the following reasons

- The terminal is defined with a preset userid that cannot be changed by signing off
- The terminal is a surrogate of a terminal in another CICS region, but the sign-off transaction is not executing within a session established by the CRTE transaction.

**System action:** The sign-off transaction terminates.

**User response:** Do not use the sign-off transaction at this terminal.

**Module:** DFHSFP

**Destination:** Terminal End User

DFHCE3570  Your groupid is invalid. Please retype.

**Explanation:** Your group identifier is invalid.

The system requests a group identifier.

**System action:** The system waits for a response.

**User response:** Enter a valid group identifier.

**Module:** DFHSNP
**DFHCE3571 • DFHCE3598**

**Destination:** Terminal End User

**DFHCE3571** Your groupid is invalid. Please retype=>

**Explanation:** Your group identifier is invalid. The system requests a group identifier.

**System action:** The system waits for a response.

**User response:** Enter a valid group identifier.

**Module:** DFHSNP

**Destination:** Terminal End User

**DFHCE3587** You cannot sign on at this terminal at this time.

**Explanation:** You cannot sign on at this terminal at this time. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

**System action:** The signon transaction terminates. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

**User response:** Please report this problem to your CICS systems programmer.

**Module:** DFHSNP

**Destination:** Terminal End User

**DFHCE3588** You are already signed on at another terminal. Signon cannot be performed.

**Explanation:** You cannot sign on at the current terminal because you are already signed on at another terminal. The SNSCOPE initialization parameter for the CICS system does not allow you to sign on to more than one terminal at a time.

**System action:** The sign on transaction terminates.

**User response:** Sign off from the other terminal before you attempt to sign on again.

**Module:** DFHSNP

**Destination:** Terminal End User

**DFHCE3589** The external security manager is inactive. Signon cannot be performed.

**Explanation:** You cannot sign on because the external security manager is not active.

**System action:** The sign on transaction terminates.

**User response:** Wait until the external security manager has been reactivated before attempting to sign on again.

**Module:** DFHSNP

**Destination:** Terminal End User

**DFHCE3590** Sign-off is complete.

**Explanation:** If the user issued a CESN to sign on to the system, then sign-off has been successful. If the user was not signed on, and CICS security was active (SEC=YES system initialization parameter) then message DFHSN1213 is written to the CSCS log to indicate that the user has logged off but has not been allowed to sign off.

**System action:** Other processing continues.

**User response:** Use the terminal as required for CICS transactions.

**Module:** DFHSFP

**Destination:** Terminal End User

**DFHCE3591** Sign-off is complete. LOGOFF option is invalid when using CRTE.

**Explanation:** The terminal is now signed off. The LOGOFF option which was specified has been ignored as it is invalid when using CRTE.

**System action:** The CICS system, to which the user has connected via CRTE, has been signed off.

**User response:** Do not use the LOGOFF option when signing off via CRTE.

**Module:** DFHSFP

**Destination:** Terminal End User

**DFHCE3592** Sign-off is complete. GOODNIGHT option is invalid when using CRTE.

**Explanation:** The terminal is now signed off. The GOODNIGHT option which was specified has been ignored as it is invalid when using CRTE.

**System action:** The CICS system, to which the user has connected via CRTE, has been signed off.

**User response:** Do not use the GOODNIGHT option when signing off via CRTE.

**Module:** DFHSFP

**Destination:** Terminal End User

**DFHCE3598** date time applid Critical error has occurred in DFHSFP. Codes: 1,2,3,4,5.

**Explanation:** The signoff program, DFHSFP, will abnormally terminate due to a critical error.

The five codes indicate the cause of the error and where the error occurred.
Code 1 is an abend code. It can be ASFA, ASFB or ASFC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location (in hexadecimal), EIBFRCODE, EIBRESP and EIBRESP2.

System action: DFHSFP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This will enable you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASFA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSFP

XMEOUT Parameters: date, time, applid, 1, 2, 3, 4, 5

Destination: CSMT

DFHCFFnnnn messages

DFHCFO101I CF data table server initialization is in progress.

Explanation: The coupling facility data table server program has started execution.

System action: Initialization continues.

User response: None.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCFO102I CF data table server for pool poolname is now active.

Explanation: The coupling facility data table server for the named pool has completed initialization and is now ready to accept connections.

System action: The server waits for connection requests or operator commands.

User response: None.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCFO103I CF data table server initialization failed because the POOLNAME parameter was not specified.

Explanation: The coupling facility data table server program needs to know the name of the associated coupling facility data table pool in order to complete initialization, but no pool name was specified in the SYSPIN or PARM field parameters.

System action: The server is terminated.

User response: Ensure that the parameter POOLNAME=pool is specified either in the SYSPIN parameters or in the PARM field of the JCL for the server.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCFO111I CF data table server for pool poolname is terminating.

Explanation: The coupling facility data table server has started termination processing, so no further requests will be processed.

System action: Termination continues.

User response: None.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCFO112I CF data table server has terminated, return code retcode, reason code rsncode.

Explanation: The coupling facility data table server has completed termination processing. For normal termination, the return code and reason code are both zero. If the termination was caused by an error, the
return code will be 8 and the reason code will be the number of the previous DFHCFMnnn message giving the reason for termination.

System action: The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

User response: None.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCF0113 CF data table server completion code is cmpcode, reason code rsncode.

Explanation: The coupling facility data table server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

System action: The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

User response: None.

Module: DFHCFMN

Destination: Console and SYSPRINT

DFHCF0122 IXCARM REQUEST=reqtype failed, return code retcode, reason code rsncode.

Explanation: A request to the MVS automatic restart manager (ARM) gave an unexpected return code. The return code and reason code are shown in hexadecimal notation.

System action: The server is terminated.

User response: See the IXCARM macro in z/OS MVS Programming: Assembler Services Reference, Volume 1 for the explanation of the return and reason code.

Module: DFHCFRS

Destination: Console and SYSPRINT

DFHCF0123 IXCARM REQUEST=reqtype failed, return code retcode, reason code rsncode.

Explanation: Automatic restart support is not available. The MVS automatic restart manager (ARM) gave a return code and reason code which indicates that ARM services are not available, but the reason could possibly be intentional or unavoidable, so the server is being allowed to continue execution without automatic restart support. The return code and reason code are shown in hexadecimal notation.

System action: The server continues initialisation without automatic restart support.

User response: See the IXCARM macro in OS/390 MVS Programming Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module: DFHCFRS

Destination: Console and SYSPRINT

DFHCF0201I Processing type parameters

Explanation: The coupling facility data table server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System action: Any specified parameters will be processed.

User response: None.

Module: DFHCFPR

Destination: SYSPRINT
DFHCF0202  Unknown parameter keyword: keyword
Explanation:  This parameter keyword did not match any of the defined parameter keywords for the coupling facility data table server.
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.
Module:  DFHCFCPR
Destination:  Console and SYSPRINT

DFHCF0203  Value value for parameter keyword is incorrect. It must be a name of up to maxlength characters.
Explanation:  The value of this parameter should have been specified as a name containing not more than the indicated number of characters.
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter value and reenter the command or restart the server.
Module:  DFHCFCPR
Destination:  Console and SYSPRINT

DFHCF0204  Value value for parameter keyword is incorrect. It must be a decimal number.
Explanation:  The value of this coupling facility data table server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M, G or T to denote the appropriate powers of 1024).
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter value and reenter the command or restart the server.
Module:  DFHCFCPR
Destination:  Console and SYSPRINT

DFHCF0205  Value value for parameter keyword is greater than the maximum allowed value maximum.
Explanation:  The value of this coupling facility data table server parameter exceeded the maximum allowed value, given in the message. This message also occurs if the numeric part of a decimal value exceeds the maximum unsigned 32-bit integer (4294967295) even if a larger value is allowed to be specified by using a suffix "K", "M", "G" or "T".
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter value and reenter the command or restart the server.
Module:  DFHCFCPR
Destination:  Console and SYSPRINT

DFHCF0206  Value value for parameter keyword is less than the minimum allowed value minimum.
Explanation:  The value of this coupling facility data table server parameter was less than the minimum allowed value, given in the message.
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter value and reenter the command or restart the server.
Module:  DFHCFCPR
Destination:  Console and SYSPRINT

DFHCF0207  Value value for parameter keyword is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.
Explanation:  The value of this coupling facility data table server parameter did not conform to the correct syntax for a time interval.
System action:  Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.
User response:  Correct the parameter value and reenter the command or restart the server.
DFHCF0208  Parameter keyword keyword is not supported for command.

Explanation: A coupling facility data table server parameter keyword was specified in a context where it is not valid, such as an attempt to SET a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on DISPLAY.

System action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response: If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

Module: DFHCFPRI
Destination: Console and SYSPRINT

DFHCF0210  Parameter keyword keyword should not have a value for command.

Explanation: A coupling facility data table server parameter keyword was specified in the form keyword=value in a context where it was not expected, for example on a DISPLAY command.

System action: Processing of the current line of parameters is terminated.

User response: Reenter the command without specifying a value for the parameter to be displayed.

Module: DFHCFPRI
Destination: Console and SYSPRINT

DFHCF0208  DFHCF0213

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DFHCF0214  Value value for parameter keyword is incorrect. Pattern matching is not supported in this context.

Explanation: A parameter value containing one of the pattern matching (wild card) characters '*', '%' or '?' was specified in a context where only a single identifier is supported.

System action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response: Correct the parameter value and reenter the command.

Module: DFHCFCPR
Destination: Console and SYSPRINT

DFHCF0215  Value value for applid.uowid parameter keyword is incorrect. The APPLID part should be a name of up to 8 characters.

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for the APPLID part of a unit of work identifier.

System action: Processing of the current line of parameters is terminated.

User response: Correct the parameter value and reenter the command.

Module: DFHCFCPR
Destination: Console and SYSPRINT

DFHCF0216  Value value for applid.uowid parameter keyword is incorrect. The UOWID part should be 16 hexadecimal digits or '*'.

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for a unit of work identifier.

System action: Processing of the current line of parameters is terminated.

User response: Correct the parameter value and reenter the command.

Module: DFHCFCPR
Destination: Console and SYSPRINT

DFHCF0217  Parameter keyword keyword requires a table name. It should be preceded by TABLE=name in the same command line.

Explanation: This coupling facility data table server parameter can only be set for a specific table, but it was not preceded by a TABLE=name parameter in the same command line.

System action: Processing of the current line of parameters is terminated.

User response: Insert the parameter TABLE=name before the specified keyword and reenter the command.

Module: DFHCFCPR
Destination: Console and SYSPRINT

DFHCF0218  TABLE=table was specified without any table-related parameter.

Explanation: A coupling facility data table server SET command was issued including a parameter of the form TABLE=name to select a specific table, but it was not followed by any table-related parameter within the same command.

System action: The table name parameter is ignored.

User response: If a table-related parameter was to be set, ensure that it is included on the same SET command as the table name.

Module: DFHCFCPR
Destination: Console and SYSPRINT

DFHCF0301I Console operator consname issued command: command

Explanation: A coupling facility data table server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System action: Processing continues.

User response: None.

Module: DFHCFCOP
Destination: Console and SYSPRINT

DFHCF0302I command command ignored because no valid parameters were given.

Explanation: A coupling facility data table server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

System action: Processing continues normally.

User response: Ensure that the command was entered correctly.

Module: DFHCFCOP
Destination: Console and SYSPRINT
DFHCF0303I  command command has been processed.

Explanation:  A coupling facility data table server command has been processed successfully.

System action:  Processing continues.

User response:  None.

Module:  DFHCFOP

Destination:  Console and SYSPRINT

DFHCF0306 CF data table server does not support this command: command

Explanation:  An operator command was addressed to the coupling facility data table server using the MVS MODIFY command, but the first word of the MODIFY parameter text is not a recognized server command (SET, DISPLAY, PRINT, STOP, CANCEL or an accepted abbreviation for one of these).

System action:  The command is ignored.

User response:  Correct and reenter the command.

Module:  DFHCFOP

Destination:  Console and SYSPRINT

DFHCF0307I CANCEL parm command has been processed. Number of active connections = connections.

Explanation:  A coupling facility data table server CANCEL command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes any restart parameter specified on the command and the number of active connections which may be affected by this command.

System action:  The server terminates immediately, without waiting to close connections.

User response:  None.

Module:  DFHCFOP

Destination:  Console and SYSPRINT

DFHCF0308 CF data table server does not support CICS commands. To close it down, you can use the STOP command.

Explanation:  An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the coupling facility data table server using the MVS MODIFY command.

System action:  The command is ignored.

User response:  Correct and reenter the command. If the intention is to close down the server, use the server STOP or CANCEL command.

Module:  DFHCFOP

Destination:  Console and SYSPRINT

DFHCF0303I  command command has been processed.

Explanation:  Processing of a coupling facility data table server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.
DFHCF0309 Parameter parm on CANCEL command is incorrect. The only valid parameters are RESTART=YES or RESTART=NO.

Explanation: A coupling facility data table server CANCEL command was issued with a parameter which did not match the valid parameter keywords.

System action: The command is ignored.

User response: Correct and reenter the command.

Module: DFHCFOP
Destination: Console and SYSPRINT

DFHCF0310 Parameter parm on STOP command is incorrect. No parameters should be specified.

Explanation: A coupling facility data table server STOP command was issued with parameters, but the STOP command does not support any parameters.

System action: The command is ignored.

User response: Correct and reenter the command.

Module: DFHCFOP
Destination: Console and SYSPRINT

DFHCF0321 Pool state error, reason code reason, processing request request for table table, key key, task task, region region.

Explanation: Integrity checks during coupling facility data table request processing found that data or control information in the pool list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes
  2 Entry exceeds maximum data length.
  3 Entry not found.
  4 Wrong version.
  5 Wrong list authority.
  6 Maximum number of entries in list reached.
  7 No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

System action: The request is terminated with a pool state error exception.

User response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for data records in a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Module: DFHCFRQ
Destination: Console and SYSPRINT

DFHCF0331 Table table maximum records limit now set to maxrec (was oldmax). Current number of records is records.

Explanation: The maximum number of records allowed to be stored in the specified table has been successfully modified in response to a coupling facility data table server SET TABLE command with the MAXRECS parameter. The previous maximum number is shown, and the current number of records. The new or previous maximum number may also be shown as NOLIMIT for the special value indicating that no limit applies. (For a recoverable table with uncommitted updates, this number includes the original versions of changed records, as these are retained until syncpoint time to allow for possible backout).

System action: Processing continues using the new value for the maximum number of records. If the current number of records already exceeds this value, no further records can be added (or, for a recoverable table, updated) until enough records have been deleted to bring the current number below the limit.

User response: None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0332 Table table was not found.

Explanation: The table specified on a coupling facility data table server SET TABLE command was not found in the pool.

System action: The command is ignored.

User response: Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

Module: DFHCFOC
Destination: Console and SYSPRINT
DFHCF0333 Pool state error, reason code reason, processing SET command for table table.

Explanation: The status of the table specified on a coupling facility data table server SET TABLE command could not be modified because the control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes
  2  Entry exceeds maximum data length.
  3  Entry not found.
  4  Wrong version.
  5  Wrong list authority.
  6  Limit number of entries in list reached.
  7  No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed.

System action: The command is ignored.

User response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for attempts to modify a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0335I Table table is now marked as available.

Explanation: The state of the specified table has been changed from unavailable to available in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=YES.

System action: Processing continues. New OPEN requests for the table will now be allowed.

User response: None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0336I Table table is now marked as unavailable.

Explanation: The state of the specified table has been changed from available to unavailable in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=NO.

System action: Processing continues. New OPEN requests for the table will be rejected with an indication that the table is unavailable.

User response: None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0337I Table table was already marked as available.

Explanation: This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=YES when the table is already marked as available.

System action: Processing continues.

User response: None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0338I Table table was already marked as unavailable.

Explanation: This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=NO when the table is already marked as unavailable.

System action: Processing continues.

User response: None.

Module: DFHCFOC
Destination: Console and SYSPRINT
DFHCF0341I Server request statistics for table table

Explanation: This message gives table access statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output. Note that this message is suppressed if all statistics are zero.

The detailed message layout is as follows.

<table>
<thead>
<tr>
<th>Table: Open</th>
<th>Close</th>
<th>Set Attr</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stats</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Record: Point</td>
<td>Highest</td>
<td>Read</td>
<td>Read Del</td>
</tr>
<tr>
<td>Unlock</td>
<td>Load</td>
<td>Write</td>
<td>Rewrite</td>
</tr>
<tr>
<td>Delete</td>
<td>Del Mult</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stats</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

System action: Processing continues.

User response: The statistics are described in detail in the DFHCFS7D data area. The individual fields have the following meanings:

- **Table requests**
  - **Open**: Number of successful OPEN requests for the table
  - **Close**: Number of successful CLOSE requests for the table
  - **Set Attr**: Number of times new table status was set
  - **Delete**: Number of times the table of that name was deleted
  - **Extract**: Number of times table access statistics were extracted

- **Record requests**
  - **Point**: Number of POINT requests
  - **Highest**: Number of requests for current highest key
  - **Read**: Number of READ requests (including those for UPDATE)
  - **Read Del**: Number of combined READ and DELETE requests
  - **Unlock**: Number of UNLOCK requests
  - **Loads**: Number of records written by initial load requests
  - **Write**: Number of WRITE requests for new records

Rewrite
  - Number of REWRITE requests

Delete
  - Number of DELETE requests

Del Mult
  - Number of multiple (generic) delete requests

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

Module: DFHCFCN

Destination: Console and SYSPRINT

DFHCF0342I Server request statistics for all tables

Explanation: This message gives overall request statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows.

<table>
<thead>
<tr>
<th>Table: Open</th>
<th>Close</th>
<th>Set Attr</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stats</td>
<td>Inquire</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Record: Point</td>
<td>Highest</td>
<td>Read</td>
<td>Read Del</td>
</tr>
<tr>
<td>Unlock</td>
<td>Load</td>
<td>Write</td>
<td>Rewrite</td>
</tr>
<tr>
<td>Delete</td>
<td>Del Mult</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stats</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>UOW: Prepare</td>
<td>Retain</td>
<td>Commit</td>
<td>Backout</td>
</tr>
<tr>
<td>Inquire</td>
<td>Restart</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

System action: Processing continues.

User response: The statistics are described in detail in the DFHCFS8D data area. The individual fields have the following meanings:

- **Table requests**
  - **Open**: Number of successful OPEN requests for the table
  - **Close**: Number of successful CLOSE requests for the table
  - **Set Attr**: Number of times new table status was set
  - **Delete**: Number of times the table of that name was deleted
DFHCF0343I  The number of recently accessed tables matching table is number.

**Explanation:** This gives the number of tables matching the specified name expression which were accessed via this coupling facility data table server within the current statistics interval. This is shown at the end of the response to a `DISPLAY TABLESTATS=name` command, following any DFHCF0341I messages for matching tables and a DFHCF0342I message if all tables were selected.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFCN

**Destination:** Console and SYSPRINT

---

DFHCF0351I  Connection: Job jobname Applid applid Idle idletime

**Explanation:** This describes a single connection from a CICS region to the coupling facility data table server, in response to the server command `DISPLAY CONNECTIONS` or `PRINT CONNECTIONS`. The information shows the job name, the generic APPLID and the time in hours, minutes and seconds since the most recent table request or inquire call was issued using the connection.

**System action:** A message in this form is issued for each active connection to the current server, then message DFHCF0352I is issued to show the total number of active connections.

**User response:** None.

**Module:** DFHCFCN

**Destination:** Console and SYSPRINT

---

DFHCF0352I  Total connections to this server: connections.

**Explanation:** This describes the total number of active connections from CICS regions to the coupling facility data table server, in response to the server command `DISPLAY CONNECTIONS` or `PRINT CONNECTIONS`.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFCN

**Destination:** Console and SYSPRINT

---

DFHCF0361I  Table names: table1 table2 table3 table4 table5

**Explanation:** This message lists up to five table names in response to the coupling facility data table server command `DISPLAY TABLES` or `PRINT TABLES`.

---

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

**Module:** DFHCFCN

**Destination:** Console and SYSPRINT
System action: This message is issued as many times as is necessary to list all current table names, then message DFHCF0362I is issued to show the total number of tables.

User response: None.

Module: DFHCFIQ

Destination: Console and SYSPRINT

DFHCF0362I The total number of tables in the pool is tables.

Explanation: This describes the total number of tables within the pool, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES or TABLEUSERS.

System action: Processing continues.

User response: None.

Module: DFHCFIQ

Destination: Console and SYSPRINT

DFHCF0363I Details for table table

Explanation: This message shows table details in response to the coupling facility data table server command DISPLAY TABLE=table or PRINT TABLE=table.

The detailed message layout is as follows:

Attributes: Recsize Keylength Max recs Upd Model

Init Load

Status: Available Open mode Access Sharing

Loaded

Statistics: Users Servers Opens Records

System action: Processing continues.

User response: The individual fields have the following meanings

- Attributes
  - Recsize: Record size specified when table was created.
  - Keylength: Key length specified when table was created.
  - Max recs: Indicates the current limit value if any which has been set on the number of records in the table, or 'NO' if there is no current limit value.

- Upd model
  - Indicates the update model being used: 'CONT' or 'CONT+' for the contention model, 'LOCK' for the non-recoverable locking model or 'RECOV' for the recoverable locking model. For a contention model table where the maximum record size is 63 or less, this usually shows 'CONT+', which indicates that access has been further optimized by storing the record data in the coupling facility entry adjunct area, instead of using separate data elements.

- Init Load
  - Indicates whether initial load was required 'YES' or 'NO'.

- Status
  - Available
    - Indicates whether new opens are currently allowed 'YES' or 'NO'.

- Open mode
  - Indicates whether the table is open for read/write access, open for read-only access or not open 'R/W', 'R/O' or 'NONE'.

- Access
  - Indicates whether the table is currently open for exclusive access, or otherwise indicates shared 'EXCL' or 'SHR'.

- Sharing
  - Indicates what level of shared access is currently allowed for the table, 'R/W', 'R/O' or 'NONE'.

- Loaded
  - Indicates 'YES' if the table has been loaded or if loading is not required, otherwise 'NO'.

- Statistics
  - Users
    - Indicates the current number of users of this table, which is normally the number of CICS regions that currently have it open. It is also possible for a CICS region to have the same table open more than once at a time using different file names.

  - Servers
    - Indicates the number of server regions that currently have the table open internally for recoverable access. For a non-recoverable table this is zero. For a recoverable table, this is normally the same as the number of CICS regions which have currently have the table open, but when there are unresolved recoverable changes a server may have the table open internally even when the CICS region has not explicitly opened it, or has explicitly closed it.

  - Opens
    - Indicates the total number of opens issued for this table since it was created.

  - Records
    - Indicates the current number of records in the table.
DFHCF0364  DFHCF0372I

**DFHCF0364**  No table was found matching table.

**Explanation:**  A table name specified on the coupling facility data table server command DISPLAY (or PRINT) TABLE=table or TABLEUSERS=table did not match any existing table in the pool.

**System action:**  The command is ignored.

**User response:**  Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

**Module:**  DFHCFIQ

**Destination:**  Console and SYSPRINT

**DFHCF0365I**  The number of tables in the pool matching table is tables.

**Explanation:**  This indicates the number of matching tables within the pool for which information was displayed in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES=table or TABLEUSERS=table where the table name contained one or more wild card characters.

**System action:**  Processing continues.

**User response:**  None.

**Module:**  DFHCFIQ

**Destination:**  Console and SYSPRINT

**DFHCF0366I**  Table table users: region1 region2 region3 region4

**Explanation:**  This message lists the names (normally the CICS APPLIDs) of up to four regions which are currently using the named coupling facility data table, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES=table or TABLEUSERS=table. A region is considered to be using a table if it has one or more files open for the table, or if it has one or more unresolved units of work which have made recoverable updates to the table.

**System action:**  Processing continues.

**User response:**  None.

**Module:**  DFHCFIQ

**Destination:**  Console and SYSPRINT

**DFHCF0367I**  Table table is being loaded by region region.

**Explanation:**  If a table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS is currently open for loading, this message is issued to identify the name (normally the CICS APPLID) of the region which is loading it. This name also appears in the list of regions using the table.

**System action:**  Processing continues.

**User response:**  None.

**Module:**  DFHCFIQ

**Destination:**  Console and SYSPRINT

**DFHCF0368I**  The number of regions using table table is users.

**Explanation:**  This indicates the total number of regions which are currently using the table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS.

**System action:**  Processing continues.

**User response:**  None.

**Module:**  DFHCFIQ

**Destination:**  Console and SYSPRINT

**DFHCF0371I**  Table table has now been deleted.

**Explanation:**  The specified table was successfully deleted in response to a coupling facility data table server DELETE TABLE=table command.

**System action:**  Processing continues.

**User response:**  None.

**Module:**  DFHCFOC

**Destination:**  Console and SYSPRINT

**DFHCF0372I**  Table table was not found.

**Explanation:**  The table specified on a coupling facility data table server DELETE TABLE=table command was not found in the pool.

**System action:**  The command is ignored.

**User response:**  Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

**Module:**  DFHCFOC

**Destination:**  Console and SYSPRINT
DFHCF0373I Table table cannot be deleted because it is in use.

Explanation: The table specified on a coupling facility data table server DELETE TABLE= name command is currently open for access, so it cannot be deleted.

System action: The command is ignored.

User response: Check that the correct table name was entered. Ensure that the table is closed from all regions which are no longer using it. The server command DISPLAY TABLE= name can be used to determine how many users currently have the table open, or whether one or more servers have it open for recoverable access.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0383I Table table could not be deleted, CF access error.

Explanation: During processing of a coupling facility data table server DELETE TABLE= name command, an unexpected error response was received. This message is preceded by message DFHCFO441 giving the details of the coupling facility access error.

System action: The command is ignored.

User response: Check the system log for a preceding DFHCFO441 message and see the explanation of that message.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0381I APPLID applid is connected on system.

Explanation: This message is issued in response to a successful coupling facility data table server DISPLAY APPLID command. This is issued for each recoverable connection matching the given APPLID name or pattern, or for all recoverable connections if no APPLID value was given.

System action: Processing continues.

User response: None.

Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0382I APPLID applid is not currently connected.

Explanation: This message is issued in response to a coupling facility data table server DISPLAY APPLID command for a single APPLID when the given APPLID does not match any active recoverable connection.

System action: Processing continues.

User response: None.

Module: DFHCFS
Destination: Console and SYSPRINT
connection is restarted. The commits count represents units of work for which commit processing has been started, and will be completed when the connection is restarted. The backouts count represents units of work for which backout processing has been started, and will be completed when the connection is restarted.

System action: Processing continues.
User response: None.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0386I UOWID applid.uowid is in doubt.
Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has been prepared for commit, but has been neither committed nor backed out. If the APPLID is currently inactive, the state will normally be resolved by resynchronization processing the next time it is restarted.
System action: Processing continues.
User response: None.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0387I UOWID applid.uowid is being committed.
Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started the commit process. If the APPLID is currently inactive, the commit process will be completed the next time it is restarted.
System action: Processing continues.
User response: None.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0388I UOWID applid.uowid is being backed out.
Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started to be backed out. If the APPLID is currently inactive, the backout process will be completed the next time it is restarted.
System action: Processing continues.
User response: None.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0389I UOWID applid.uowid was not found.
Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command.
System action: Processing continues.
User response: Check that the correct UOWID was entered.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0390I UOWID applid.uowid total matching entries uowids
Explanation: This message is issued at the end of the responses to a coupling facility data table server DISPLAY UOWIDs command to summarize the total number of units of work listed. The total is zero if no matching units of work were found.
System action: Processing continues.
User response: None.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0391 APPLID applid does not have any unresolved units of work.
Explanation: This message is issued in response to a coupling facility data table server SET command which attempted to modify the recovery status for the given APPLID. There are no unresolved units of work in the pool which match the given APPLID.
System action: The requested function is ignored.
User response: Check that the correct APPLID was entered.
Module: DFHCFS
Destination: Console and SYSPRINT

DFHCF0392 APPLID applid recovery status cannot be modified while it is connected.
Explanation: This message is issued in response to a coupling facility data table server SET command which attempted to modify recovery status for the given APPLID. This is not possible if the APPLID is already connected to the pool, on this server or another server.
System action: The requested function is ignored.
User response: Check whether the correct APPLID was entered.
Module: DFHCFS
Destination: Console and SYSPRINT

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**DFHCF0393** APPLID applid recovery status cannot be modified because connection restart failed with reason code reason.

**Explanation:** This message is issued in response to a coupling facility data table server SET command which attempted to modify recovery status for the given APPLID. The attempt failed because the server was unable to establish a recoverable connection on behalf of that APPLID. The reason code from the failing internal FCCU RESTART function is included.

**System action:** The requested function is ignored.

**User response:** See the server trace file and job log for further details about the failure.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0394** UOWID applid.uowid is not in doubt.

**Explanation:** This message is issued in response to a coupling facility data table server SET command which attempted to modify the recovery status of a specific unit of work. The APPLID had one or more unresolved units of work and was successfully restarted, but the UOWID did not match any in-doubt unit of work owned by that APPLID after restart completed. Note that if the unit of work was previously in the process of being committed or backed out, restart processing will have resolved it.

**System action:** The requested function is ignored. A further message will appear indicating whether any units of work remain unresolved after the successful restart.

**User response:** Check that the correct APPLID and UOWID were entered.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0395I** APPLID applid now has no unresolved units of work.

**Explanation:** This message is issued in response to a successful coupling facility data table server SET command to perform restart processing. All units of work associated with the APPLID were resolved by restart processing (which means that they must have been in commit or backout processing).

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0396I** APPLID applid units of work remaining in doubt indoubts.

**Explanation:** This message is issued in response to a successful coupling facility data table server SET command to perform restart processing. One or more units of work remain in doubt.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0397I** APPLID applid units of work now committed: commits.

**Explanation:** This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0398I** APPLID applid units of work now backed out: backouts.

**Explanation:** This message is issued in response to a successful coupling facility data table server SET command which backed out one or more units of work.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT

**DFHCF0399** UOWID applid.uowid syncpoint failed, reason code reason.

**Explanation:** This message is issued in response to a coupling facility data table server SET command which attempted to commit or backout the given UOWID but failed. The reason code from the failing internal FCCU COMMIT or BACKOUT function is included.

**System action:** The requested function is ignored.

**User response:** See the server trace file and job log for further details about the failure.

**Module:** DFHCFSP

**Destination:** Console and SYSPRINT
**DFHCF0401I** Connected to CF structure *strname*.

**Explanation:** The coupling facility data table server has successfully established a connection to the coupling facility list structure for the table pool, using the IXLCONN macro.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0402I** CF structure *strname* was allocated by this connection.

**Explanation:** The coupling facility data table pool list structure did not previously exist and was allocated as part of the connection process.

**System action:** List structure initialization will be performed if necessary.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0403** Connection to CF structure *strname* failed, IXLCONN return code *retcode*, reason code *rsncode*.

**Explanation:** The IXLCONN macro to connect the coupling facility data table server to its pool list structure failed.

**System action:** The server is terminated.

**User response:** See the documentation of the IXLCONN macro in z/OS MVS Programming: Sysplex Services Guide for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message will be followed by message DFHCF0409 giving the facility reason code for each coupling facility in which allocation was attempted.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0404** CF structure *strname* cannot be used because it has been allocated with attribute *attribute*.

**Explanation:** The coupling facility data table server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

**System action:** The server is terminated.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0405** CF structure *strname* element size *elemsize* is incorrect. It should be a power of 2 in the range 256 to 4096.

**Explanation:** The list structure element size specified in the ELEMSIZE initialization parameter for the coupling facility data table server is not a power of two, or is outside the range supported by the coupling facility interface.

**System action:** The server is terminated (without attempting to connect to the list structure).

**User response:** Correct the ELEMSIZE parameter and restart the server.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0406** Initialization failed for CF structure *strname* with response *response*.

**Explanation:** Coupling facility data table server processing to initialize the pool list structure failed with an abnormal internal response code.

**System action:** The server is terminated.

**User response:** If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHCF0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the coupling facility data table server. In this case the structure may need to be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated when the server is restarted.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0407** CF structure *strname* is not available for shared use.

**Explanation:** The coupling facility data table pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name
SYSZDFH and minor name equal to the structure name, 'DFHCFLS_poolname').

**System action:** The server is terminated.

**User response:** Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

DISPLAY GRS,RES=(SYSZDFH,'DFHCFLS_poolname')

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**Explanation:**

The current coupling facility data table unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. This serialization uses an MVS ENQ with scope SYSTEMS, major name SYSZDFH and minor name equal to the structure name, 'DFHCFLS_poolname').

**System action:** The server is terminated.

**User response:** Check whether a coupling facility data table server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

DISPLAY GRS,RES=(SYSZDFH,'DFHCFLS_poolname')

If the response is InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXTABLES parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the CICS System Definition Guide for more information on how to estimate pool sizes.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**Explanation:**

Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support coupling facility data tables.

**System action:** The server is terminated.

**User response:** Ensure that the required level of coupling facility maintenance is applied.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**Explanation:**

This message is issued by the coupling facility data table server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT
and the current server has not processed any successful requests recently, the information may not be accurate.

**System action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response:** Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**DFHC0412I  DFHC0415I**

**DFHC0412I  CF structure strname now has percentage% of elements in use.**

**Explanation:** This message is issued by the coupling facility data table server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

**System action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response:** Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**DFHC0413I  Issuing alter request to adjust CF structure strname entry/element ratio to entries/elements.**

**Explanation:** The coupling facility data table server has determined that the ratio of free entries to free elements is significantly different from the ratio of entries to elements actually in use. It is issuing an IXLALTER macro to request the coupling facility to adjust the ratio to make better use of the coupling facility storage.

**System action:** The server continues by issuing the IXLALTER macro. A further message will be issued when the structure alter request is accepted or rejected by MVS.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**DFHC0414I  Alter request successfully started for CF structure strname.**

**Explanation:** The coupling facility data table server has successfully started a structure alter request to change the entry to element ratio for the list structure.

**System action:** The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

---

**DFHC0415I  Alter request rejected for CF structure strname, another alter request for this structure is already active.**

**Explanation:** The coupling facility data table server attempted to start a structure alter request using IXLALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another structure alter request was already active.

**System action:** The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT
DFHCF0416  Alter request failed for CF structure
strname, IXLALTER return code retcode,
reason code rsncode.

Explanation:  The coupling facility data table server attempted to start a structure alter request to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.

System action:  The current structure alter attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

User response:  See the documentation of the IXLALTER macro in z/OS MVS Programming: Sysplex Services Guide for the explanation of the return and reason code.

Module:  DFHCFCF
Destination:  Console and SYSPRINT

DFHCF0417I  Alter request completed normally for CF structure strname.

Explanation:  The coupling facility data table server has been notified by the system that a structure alter request has completed normally.

System action:  New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

User response:  None.

Module:  DFHCFCF
Destination:  Console and SYSPRINT

DFHCF0418I  Alter request ended abnormally for CF structure strname with status status.

Explanation:  The coupling facility data table server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEEPL).

System action:  No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

User response:  If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEEPL.

Module:  DFHCFCF
Destination:  Console and SYSPRINT

DFHCF0419I  Alter request ended normally for CF structure strname but target was not attained.

Explanation:  The coupling facility data table server has been notified by the system that a structure alter request has ended normally but that the target ratio or target size was not attained.

System action:  New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

User response:  None.

Module:  DFHCFCF
Destination:  Console and SYSPRINT

DFHCF0424  Connectivity has been lost to CF structure strname. The CF data table server cannot continue.

Explanation:  The coupling facility data table server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure. If the loss of connectivity was due to an IPL of the coupling facility, all tables and data records are lost.

System action:  The server issues an internal CANCEL command to terminate itself immediately.

User response:  Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

If the loss of connectivity was due to an IPL of the coupling facility the restart causes a fresh copy of the list structure to be allocated.

Module:  DFHCFCF
Destination:  Console and SYSPRINT

DFHCF0425  CF structure strname has failed. The CF data table server cannot continue.

Explanation:  The coupling facility data table server has been notified by the system that the pool list structure has been lost due to coupling facility structure failure. All tables and data records in the pool have been lost.

System action:  Each server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User response:  If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate
coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

**Module:** DFHCFCF  
**Destination:** Console and SYSPRINT

---

**DFHCF0431I Access statistics for CF structure strname**

**Explanation:** This message gives a summary of coupling facility access statistics. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

Requests:  
- Table data records  
- Data list controls  
- Table index list  
- UOW index list  
- APPLID index list  
- Lock release msgs

Responses:  
- Asynch Unavail Normal Len err Not fnd

The detailed message layout is as follows:

Requests:  
- Table data records  
- Data list controls  
- Table index list  
- UOW index list  
- APPLID index list  
- Lock release msgs

Responses:  
- Asynch Unavail Normal Len err Not fnd

**System action:** Processing continues.

**User response:** The statistics are described in detail in the DFHCFS6D data area. The individual fields have the following meanings:

- **Reads**  
  - Table data records  
  - Data list controls  
  - Table index list  
  - UOW index list  
  - APPLID index list  
  - Lock release msgs  

- **Rewrites**  
  - Table data records  
  - Data list controls  
  - Table index list  
  - UOW index list  
  - APPLID index list  
  - Lock release msgs

- **Deleted**  
  - Table data records  
  - Data list controls  
  - Table index list  
  - UOW index list  
  - APPLID index list  
  - Lock release msgs

- **Response counts**
  - Asynch
  - Normal
  - Unavail
  - Len err
  - Not fnd

- **Vers chk**
  - List chk
  - List full

**Module:** DFHCFCF  
**Destination:** Console and SYSPRINT

---

**DFHCF0431I**

**Explanation:** This message gives a summary of coupling facility access statistics. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

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- Asynch Unavail Normal Len err Not fnd

The detailed message layout is as follows:

Requests:  
- Table data records  
- Data list controls  
- Table index list  
- UOW index list  
- APPLID index list  
- Lock release msgs

Responses:  
- Asynch Unavail Normal Len err Not fnd

**System action:** Processing continues.

**User response:** The statistics are described in detail in the DFHCFS6D data area. The individual fields have the following meanings:

- **Reads**  
  - Number of data entry reads.
  - Number of reads to check list usage (open or inquire).
  - Number of times a new data list was allocated.
  - Number of times data list controls were modified.
  - Number of times a data list was deleted for reuse.

- **Rewrites**
  - Number of data entry rewrites.
  - Number of times data list controls were modified.
  - Number of times a data list was deleted for reuse.

- **Deletes**
  - Number of data entry deletes.
  - Number of table index deletes.
  - Number of table index writes to create new tables.

**Response counts**

- Asynch  
  - Number of requests for which completion was asynchronous.

- Normal  
  - Number of normal responses.

- Unavail  
  - Number of times requests were deferred because the structure was temporarily unavailable, for example because system-managed rebuild was in progress.

- Len err  
  - Entry data was larger than the input buffer length, which normally results in a retry with a larger buffer.

- Not fnd  
  - The specified entry (table or item) was not found.

- Vers chk  
  - A version check failed for an entry being updated, indicating that another task had updated it first.

- List chk  
  - A list authority comparison failed, usually meaning that the table is in the process of being deleted.

- List full  
  - A table reached the maximum number of items, causing the relevant list to be marked as full.
The list structure became full.

Some other error code was returned by IXLLIST.

Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0432I Table pool statistics for CF structure strname

Explanation: This message gives a summary of the usage statistics for the table pool list structure. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows.

Structure: Size Max size Elem size
nK nK n
Tables: Current Highest
n n
Lists: Total In use Max used Control
100% n% n% n%
Data
n n%
Entries: Total In use Max used Free
100% n% n% n%
Min free Reserve
n n%
Elements: Total In use Max used Free
100% n% n% n%
Min free Reserve
n n%

System action: Processing continues.

User response: The statistics are described in detail in the DFHCFS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The number of tables and the number of lists are updated each time the server opens or closes a table, but are not reliably updated at other times. The element and entry counts are updated on successful completion of most types of coupling facility access request.

The individual fields have the following meanings

- Structure
  - Size: Current allocated size of the list structure.
  - Max size: Maximum size to which this structure could be altered.

- Elem size: Data element size used for the structure.

- Tables
  - Current: Number of tables currently in existence.
  - Highest: Highest number of tables at any time (since last reset).

- Lists
  - Total: Maximum number of list headers in the structure.
  - In Use: Number currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Control: Number of lists in use for control information.
  - Data: Number of lists in use for table data.

- Entries
  - Total: Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of entries currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of entries currently free (total minus used).
  - Min Free: Minimum number of free entries (since last reset).
  - Reserve: Number of entries reserved for rewrites and server use.

- Elements
  - Total: Total data elements in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of elements currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of elements currently free (total minus used).
  - Min Free: Minimum number of free elements (since last reset).
  - Reserve: Number of elements reserved for rewrites and server use.
Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0441  CF structure strname request failed, IXLLIST return code retcode, reason code rsncode.

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro gave an abnormal return code.

System action: The failing request is given an I/O error indication, giving an IOERR condition if it originated from a CICS API request.

User response: See the documentation of the IXLLIST macro in z/OS MVS Programming: Sysplex Services Guide for the explanation of the return and reason code.

Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0442  CF structure strname request failed, structure is full.

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

System action: The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic structure alter is in progress, the request may be suspended until the outcome of the alter request is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

User response: Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning message before the structure became full.

Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0443  CF structure strname request failed, all lists are in use.

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXTABLES server initialization parameter when the structure is allocated.

System action: The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

User response: Any tables which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use the MVS SETXCF FORCE,STR command to delete it then reload it with a larger MAXTABLES parameter.

Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0444I  CF request has been suspended to await structure alter completion.

Explanation: A coupling facility data table access request which was suspended to await the completion of a structure alter request is now being retried because the alter request has either completed or failed.

System action: The request is suspended until the structure alter request completes (normally or abnormally), then message DFHCF0445I is issued and the request is retried.

User response: None.

Module: DFHCFCF
Destination: Console and SYSPRINT

DFHCF0445I  CF request is being retried after structure alter completion.

Explanation: A coupling facility data table access request which was suspended to await the completion of a structure alter request is now being retried because the alter request has either completed or failed.

System action: The suspended request will be restarted.

User response: None.

Module: DFHCFCF
Destination: Console and SYSPRINT
DFHCF0446 • DFHCF0471

**DFHCF0446** CF structure strname free space is below reserve level. New records will be rejected.

**Explanation:** The coupling facility data table server has detected that the number of free list entries or data elements in the pool structure has fallen below the reserve levels specified on the server parameters ENTRYRESERVEMIN, ENTRYRESERVEPC, ELEMENTRESERVEMIN and ELEMENTRESERVEPC.

**System action:** Any request to create a new record or table in the pool will be rejected for as long as the amount of free space remains below the reserve levels. The failing request is given a NOSPACE indication if it originated from a CICS API request. If free space later increases beyond the reserve levels, requests will be allowed again, and when the amount of free space exceeds the reserve levels by a reasonable margin (based on the server ENTRYWARNINC and ELEMENTWARNINC parameters) message DFHCF0447 will be issued.

**User response:** Use the server command DISPLAY POOLSTATS to obtain further information about the current pool usage. Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0447** CF structure strname free space is no longer below reserve level.

**Explanation:** The coupling facility data table server issues this message after a recent shortage of free space caused message DFHCF0446 to be issued but the free space has now increased to beyond the reserve levels by a reasonable margin (based on the server ENTRYWARNINC and ELEMENTWARNINC parameters).

**System action:** Processing continues.

**User response:** Use the server command DISPLAY POOLSTATS to obtain further information about the current pool usage. Note that even if this message is produced, the structure may still be very short of space and further action may be necessary, as described for message DFHCF0446.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0451** Purge for CF structure strname failed, IXLPURGE return code retcode, reason code rsncode.

**Explanation:** A coupling facility data table access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

**System action:** The error is ignored because this only occurs when a request is already being terminated abnormally.

**User response:** See the documentation of the IXLPURGE macro in z/OS MVS Programming: Assembler Services Reference, Volume 1 for the explanation of the return and reason code.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0461I** Disconnected from CF structure strname.

**Explanation:** The coupling facility data table server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0462** Disconnect from CF structure strname failed, IXLDISC return code retcode, reason code rsncode.

**Explanation:** The IXLDISC macro to disconnect the coupling facility data table server from its pool list structure failed.

**System action:** The error is ignored, as disconnection only occurs when the server is already terminating.

**User response:** See the documentation of the IXLDISC macro in z/OS MVS Programming: Assembler Services Reference, Volume 1 for the explanation of the return and reason code.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

**DFHCF0471** CF structure strname already has the maximum of maxconn servers active.

**Explanation:** An attempt was made to connect an additional coupling facility data table server to a pool list structure which already has the maximum number of active connections supported by the current version...
of the server. The coupling facility accepted the connection, but the server does not support this number of simultaneous connections to the pool, so the connection could not be used.

The server has been designed to support a fixed maximum number of connections per pool, which is the same as the maximum number of connections to a list structure supported by current coupling facility implementations, and the maximum number of systems in a sysplex. This means that if this message occurs, a level of coupling facility must be in use which supports more connections, and one or more of those connections must be in use by a program other than the coupling facility data table server, as the server only supports one connection per system within a sysplex.

**System action:** The server is terminated.

**User response:** Ensure that no programs other than the data table server are connected to the list structure.

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**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

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**DFHCF0481I** Waiting for structure *strname* to become available.

**Explanation:** The coupling facility data table server was unable to connect to its coupling facility structure because of an environmental error, such as the structure being unavailable, as described in a previous DFHCF0403 message. The server is now waiting for this problem to be fixed, and will retry the connection request when it is notified via the ENF facility that the specific structure may now be available or that some change has occurred in the status of general coupling facility resources.

**System action:** The server waits to be notified of a relevant event.

**User response:** No action is required, but the waiting server can optionally be terminated using the MVS CANCEL command if it is no longer required.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

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**DFHCF0482I** Retrying connection to structure *strname*.

**Explanation:** The coupling facility data table server has been notified via ENF that its list structure may now be available or that a change has occurred in the status of some general coupling facility resources, so it is about to make another attempt to connect to the structure.

**System action:** The original IXLCONN request is retried.

**User response:** None.

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**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

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**DFHCF0491 ENFREQ ACTION=action failed, return code retcode.**

**Explanation:** An ENF request issued by the coupling facility data table server gave an unexpected return code.

**System action:** If this occurs on the ENFREQ ACTION=LISTEN request and the server is subsequently unable to connect to the list structure, the server will be terminated instead of waiting for the structure to become available.

**User response:** See the documentation of the ENFREQ macro in z/OS MVS Programming: Assembler Services Reference, Volume 2 for the explanation of the return and reason code.

**Module:** DFHCFCF

**Destination:** Console and SYSPRINT

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**DFHCF0501 External security manager was not found, table security cannot be supported.**

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager data areas needed by the server security interface (in particular the RCVT) were not found.

**System action:** The server is terminated.

**User response:** If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

**Module:** DFHCFXS

**Destination:** Console and SYSPRINT

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**DFHCF0502 External security manager is inactive, table security cannot be supported.**

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager is not active.

**System action:** The server is terminated.

**User response:** If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or
or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

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**DFHCF0503**  
External security manager does not support global in-storage profiles, table security cannot be supported.

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support the GLOBAL option for loading security profiles (known as global RACLIST), which is required in order to support cross-memory mode security checking.

**System action:** The server is terminated.

**User response:** If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports global in-storage profiles.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

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**DFHCF0504**  
External security manager does not support cross-memory mode, table security cannot be supported.

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support authorization (FASTAUTH) requests in cross-memory mode, which are required in order to perform table security checks.

**System action:** The server is terminated.

**User response:** If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports cross-memory mode authorization requests.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

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**DFHCF0505**  
RACROUTE REQUEST=EXTRACT gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsncode.

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function used to obtain the userid during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

**System action:** The server is terminated with message DFHCF0506.

**User response:** See the documentation of the RACROUTE macro with REQUEST=EXTRACT in z/OS Security Server RACROUTE Macro Reference for the explanation of the return and reason codes.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

---

**DFHCF0506**  
Security EXTRACT function failed, table security cannot be supported.

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function issued to obtain the userid during server initialization gave an unexpected return code.

**System action:** The server is terminated.

**User response:** See the preceding message DFHCF0505 for the details of the reason for the failure. If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

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**DFHCF0507**  
RACROUTE REQUEST=LIST, ENVIR=CREATE, CLASS='class', GLOBAL=YES gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsncode.

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function to load the security profiles during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

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DFHCF0508  DFHCF0521

**DFHCF0512**  
RACROUTE REQUEST=FASTAUTH for resource resource gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsncode.

**Explanation:** A coupling facility data table OPEN, SET or DELETE security check gave a non-zero return code. This message indicates the resource name used for the check, the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

**System action:** Access to the table is rejected with message DFHCF0513.

**User response:** See the documentation of the RACROUTE macro with REQUEST=FASTAUTH in z/OS Security Server RACROUTE Macro Reference for the explanation of the return and reason codes.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

**DFHCF0513**  
Attempt to open table table was rejected by the external security manager.

**Explanation:** A security check was performed by the coupling facility data table server to determine whether the connected region was allowed to open the named table, and the external security manager indicated that access was not allowed.

**System action:** The table open request is rejected.

**User response:** See the preceding message DFHCF0512 for the specific reason that access was rejected. Check that the correct table name was specified. Ensure that the client region is authorized to access the resource matching the table name (prefixed by the server region userid if SECPRFX=YES was specified) in the CICS file resource class (usually 'FCICSFCT').

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

**DFHCF0511**  
Attempt to open table table was rejected because the external security manager is not available.

**Explanation:** The coupling facility data table server was attempting to perform a security check for whether the connected region was allowed to open that data table, but the external security manager was unexpectedly unavailable, even though it had been available at server initialization time.

**System action:** The table open request is rejected.

**User response:** Note that no further table open requests will succeed unless the external security manager is reactivated.

**Module:** DFHCFXS  
**Destination:** Console and SYSPRINT

**DFHCF0521**  
RACROUTE REQUEST=LIST, ENVIR=DELETE, CLASS='class' gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsncode.

**Explanation:** The external security manager LIST function to unload the in-storage security profiles during coupling facility data table server termination gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

**System action:** Server termination processing continues.

**User response:** See the documentation of the RACROUTE macro with REQUEST=LIST in z/OS Security Server RACROUTE Macro Reference for the explanation of the return and reason codes.
DFHCF0601I  DFHCF0601I

Security Server RACROUTE Macro Reference for the explanation of the return and reason codes.

Module:  DFHCFXS
Destination:  Console and SYSPRINT

DFHCF0601I Starting statistics collection for interval since lasttime.

Explanation:  The coupling facility data table server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced. The format of the timestamp is yyyy-mm-dd hh:mm:ss.

System action:  The server proceeds with statistics collection.
User response:  None.

Module:  DFHCFST
Destination:  SYSPRINT

DFHCF0602I Statistics collection completed, reset performed.

Explanation:  Coupling facility data table server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System action:  Processing continues.
User response:  None.

Module:  DFHCFST
Destination:  SYSPRINT

DFHCF0603I Statistics collection completed.

Explanation:  Coupling facility data table server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System action:  Processing continues.
User response:  None.

Module:  DFHCFST
Destination:  Console and SYSPRINT

DFHCF0604 Timer SET failed, return code retcode, reason code rsncode.

Explanation:  The statistics subtask in the coupling facility data table server tried to set up a timer wait interval but failed.

System action:  The interval statistics function is terminated with message DFHCF0606.
User response:  Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMERM identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Module:  DFHCFST
Destination:  Console and SYSPRINT

DFHCF0605 Timer CANCEL failed, return code retcode, reason code rsncode.

Explanation:  The statistics subtask in the coupling facility data table server tried to cancel a timer wait interval but failed.

System action:  The interval statistics function is terminated with message DFHCF0606.
User response:  Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Module:  DFHCFST
Destination:  Console and SYSPRINT

DFHCF0606 Statistics collection function is no longer available.

Explanation:  The statistics collection subtask in the coupling facility data table server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System action:  The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.
User response:  See the earlier message indicating the reason for the termination of the subtask.

Module:  DFHCFST
Destination:  Console and SYSPRINT

DFHCF0607 Statistics written to SMF, return code was retcode.

Explanation:  Coupling facility data table server statistics have been sent to SMF. The return code from the SMF EWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System action:  Processing continues.
User response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in z/OS MVS System Management Facilities (SMF) for more information about return codes.

Module: DFHCFST
Destination: SYSPRINT

DFHCF0651 Restart processing cannot open table table, reason code reason.

Explanation: An application region has attempted to restart its connection to the coupling facility data table server, but an unresolved unit of work for that region has updated a table which cannot be opened at present, so restart processing cannot be completed. This message only occurs if the table is still in existence; if it has been deleted, the updates are simply discarded. The reason code is from the file open routine in module DFHCFOC, and indicates why the file could not be opened. In the current implementation, there are no user functions which could prevent a file from being opened by restart, so this condition should not be possible.

System action: Restart processing is terminated and recoverable tables cannot be accessed until it is successfully retried.

User response: None.

Module: DFHCFSP
Destination: Console and SYSPRINT

DFHCF0701I CF data table pool poolname is to be unloaded.

Explanation: The coupling facility data table server program has been started with the UNLOAD option requesting that the table pool is unloaded to a sequential data set.

System action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User response: None.

Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0702I CF data table pool poolname has been successfully unloaded.

Explanation: The coupling facility data table pool has been unloaded successfully.

System action: The server closes down normally.

User response: None.

Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0703I Number of unloaded tables: tables.
Blocks written blocks.

Explanation: This message provides additional information about the results of the coupling facility data table pool unload process, giving the number of tables which were unloaded and the number of 4K data blocks written to the unloaded table pool data set.

System action: Server termination continues.
DFHCF0704  DFHCF0803I

User response: None.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0704  DFHCFUL data set for unload could not be opened.
Explanation: The data set to contain the unloaded coupling facility data table pool could not be opened.
System action: Unload processing is terminated and the server is closed down with message DFHCF0706.
User response: Check that the DFHCFUL DD statement is present in the JCL for the unload job.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0705  Unload access to CF structure strname failed with response response.
Explanation: The coupling facility data table pool unload process failed because of a problem with coupling facility access.
System action: Unload processing is terminated and the server is closed down with message DFHCF0706.
User response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0706  Unload for CF data table pool poolname was unsuccessful.
Explanation: The coupling facility data table pool unload process failed. The reason will have been described in a previous message.
System action: The server is terminated.
User response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0721  CF data table table has been successfully unloaded, records records.
Explanation: The named coupling facility data table has been unloaded. Note that if any recoverable updates were pending, the number of table entries unloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.
System action: Unload processing continues.
User response: None.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0731  Unload units of work were unloaded for recoverable connection applid.
Explanation: One or more unresolved recoverable units of work were found for the specified recoverable connection identifier during coupling facility data table pool unload processing.
System action: Unload processing will include the status of those units of work in the unloaded data, to allow them to be resolved after the pool is reloaded.
User response: None.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0801I  CF data table pool poolname is to be reloaded.
Explanation: The coupling facility data table server program has been started with the RELOAD option requesting that the table pool is to be reloaded from a sequential data set produced using the UNLOAD option.
System action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.
User response: None.
Module: DFHCFUL
Destination: Console and SYSPRINT

DFHCF0803I  Tables reloaded: tables. Tables bypassed: duplicates. Blocks read: blocks.
Explanation: This message provides additional information about the results of the coupling facility data table pool reload process. Tables on the unloaded
data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

**System action:** Server termination processing continues.

**User response:** None.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT

DFHCF0804 DFHCFRL data set for reload could not be opened.

**Explanation:** The data set containing the coupling facility data table pool to be reloaded could not be opened.

**System action:** Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response:** Check that the DFHCFRL DD statement is present in the JCL for the reload job.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT

DFHCF0805 Reload access to CF structure strname failed with response response.

**Explanation:** The coupling facility data table pool reload process failed because of a problem with coupling facility access.

**System action:** Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response:** If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT

DFHCF0806 Unexpected end of file encountered on reload data set.

**Explanation:** End of file was encountered on the data set containing the unloaded coupling facility data table pool before the logical end of the unloaded data was encountered.

**System action:** Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response:** This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

**Module:** DFHCFRKL

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DFHCF0804 • DFHCF0809

DFHCF0807 Reload data set contains incorrect data near block block, offset offset.

**Explanation:** The coupling facility data table pool reload process failed because the unloaded pool data set is not in the correct format.

**System action:** Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response:** Check that the correct data set is being used and that the unload process completed normally.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT

DFHCF0808 Reload for CF data table pool poolname was unsuccessful.

**Explanation:** The coupling facility data table pool reload process could not be completed. The reason will have been described in a previous message.

**System action:** The program is terminated.

**User response:** See the previous message giving the reason for the reload failure.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT

DFHCF0809 Reload for CF structure strname failed, structure is full.

**Explanation:** Coupling facility data table pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

**System action:** Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response:** If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS SETXCF FORCE command to delete the structure, then increase the SIZE and INITSIZE parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and tables reloaded, as described by following message DFHCF0803, with the corresponding numbers from message DFHCF0703 in the unload job.

**Module:** DFHCFRKL

**Destination:** Console and SYSPRINT
DFHCF0810 • DFHCF0912I

Destination: Console and SYSPRINT

DFHCF0810 Reload for CF structure strname failed, all lists are in use.
Explanation: Coupling facility data table pool reload processing failed because all list headers defined in the structure are now in use.
System action: Reload processing is terminated and the server is closed down with message DFHCF0808.
User response: Use the MVS SETXCF FORCE command to delete the structure, then change the reload job MAXTABLES parameter to a value at least as large as the number of tables in the unloaded data, preferably much larger to allow for future expansion, then rerun the reload job.
Module: DFHCFRL
Destination: Console and SYSPRINT

DFHCF0821 CF data table table has been successfully reloaded, records records.
Explanation: The named coupling facility data table has been reloaded. Note that if any recoverable updates were pending, the number of table entries reloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.
System action: Reload processing continues.
User response: None.
Module: DFHCFRL
Destination: SYSPRINT

DFHCF0822 CF data table table is already defined, reloading has been bypassed.
Explanation: A coupling facility data table which was being reloaded was found to have the same name as an existing table within the pool.
System action: Reloading of the table is bypassed, and reload processing continues with the next table.
User response: None.
Module: DFHCFRL
Destination: SYSPRINT

DFHCF0831 uowids units of work were reloaded for recoverable connection applid.
Explanation: Coupling facility data table pool reload processing has reloaded one or more unresolved recoverable units of work for the specified recoverable connection identifier.
System action: Reload processing restores the status of those units of work from the unloaded data, to allow them to be resolved when the connection is next restarted.
User response: None.
Module: DFHCFRL
Destination: SYSPRINT

DFHCF0832 uowids duplicate units of work were skipped for recoverable connection applid.
Explanation: Coupling facility data table pool reload processing found one or more unresolved recoverable units of work in the unloaded data which were found to be already present in the current pool, so they were bypassed in this reload run. This should only happen if the reload job was run more than once, for example to resume reloading after increasing the pool size.
System action: Reload processing skips units of work which are already identified as active in the current pool.
User response: None.
Module: DFHCFRL
Destination: SYSPRINT

DFHCF0911I R12=sprv RQ Entry function Table=table Task=tasknum region
Explanation: Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on entry to the request module DFHCFRQ.
System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFRQ
Destination: SYSPRINT

DFHCF0912I R12=sprv RQ Exit response Table=table Task=tasknum region
Explanation: Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on exit from the request module DFHCFRQ.
System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFRQ
Destination: SYSPRINT
Explanation: Coupling facility data table server request tracing is active and the state of a record lock is being traced. (This message is not used in the normal cases of reading a record whose lock is available or releasing a record when no other task expressed an interest in it).

- Record lock status values
  
  **OWNED**
  The lock is already held by the same task.
  
  **BUSY**
  The lock is held by another active task.
  
  **RETAINED**
  The lock has previously been marked as retained.
  
  **RECLAIM**
  The lock is inactive and can be reclaimed immediately.
  
  **BACKOUT**
  The lock will be reclaimed after backing out any change.
  
  **POST**
  Other tasks are being notified that a lock was released.
  
  **WAIT**
  The current task is being suspended to await a lock.

System action: Processing continues.

User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFIQ

Destination: SYSPRINT

---

**DFHCF0931I**

R12=pro OC Entry function Table=table
Task=tasknum region

Explanation: Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on entry to the open/close module DFHCFOC.

System action: Processing continues.

User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFOC

Destination: SYSPRINT

---

**DFHCF0932I**

R12=pro OC Exit response Table=table
Task=tasknum region

Explanation: Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on exit from the open/close module DFHCFOC.

System action: Processing continues.

User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFOC

Destination: SYSPRINT

---

**DFHCF0933I**

R12=pro OC Closing table table for region on system.

Explanation: Coupling facility data table server request tracing is active and the open/close module DFHCFOC is closing a table on behalf of a region or server which has terminated.

System action: Processing continues.

User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFOC

Destination: SYSPRINT
**DFHCF0941I • DFHCF0944I**

**Explanation:** Coupling facility data table server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHCFCF. The three-character request mnemonics used by the internal coupling facility interface consist of a two-character code indicating the type of operation followed by a one-character code indicating the type of object on which the operation is performed.

- **Coupling facility interface operations**
  - CRx Create
  - DLx Delete
  - INx Inquire
  - MDx Modify
  - RDx Read
  - RWx Rewrite
  - WRx Write (new)

- **Coupling facility interface objects**
  - xxA APPLID entry
  - xxD Data record entry
  - xxI Index entry
  - xxL List controls (for list containing data records)
  - xxM Message entry (for lock release notification)
  - xxU Unit of work entry

- The options flags may include the following hexadecimal values
  - 80 Read key greater than or equal
  - 40 Read key less than or equal
  - 20 Compare entry version with given value
  - 10 Suppress data transfer (transfer adjunct area only)
  - 08 Access oldest entry with same key (for before-image)
  - 04 Write new entry with same key (for after-image)
  - 02 Non-increasing rewrite (so retry if structure full)

The modifier field is only used at present to specify the target connection number for a lock message, in hexadecimal form.

**System action:** Processing continues.

**User response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:** DFHCFCF

**Destination:** SYSPRINT

---

**DFHCF0942I R12=spr CF IXLLIST Req=request Adj=adjarea Buf=buffer List=listnum Rsn=rsncode**

**Explanation:** Coupling facility data table server tracing for coupling facility accesses is active and the result from an IXLLIST macro is being traced. The information traced includes an abbreviation of the type of request being performed, the addresses of the adjunct area and data buffer (zero when not used), the number of the list being accessed and the reason code returned by the macro. See the documentation of the IXLLIST macro in z/OS MVS Programming: Assembler Services Reference, Volume 1 for further details, including the explanation of the reason code.

**System action:** Processing continues.

**User response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:** DFHCFCF

**Destination:** SYSPRINT

---

**DFHCF0943I R12=spr CF IXLLIST keyword=value**

**Explanation:** Coupling facility data table server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value or version) is being traced in hex and (if relevant) character format.

**System action:** Processing continues.

**User response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:** DFHCFCF

**Destination:** SYSPRINT

---

**DFHCF0944I R12=spr CF Exit response table**

**Explanation:** Coupling facility data table server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHCFCF.

- **Response codes**
  - **OK** Normal completion.
  - **LEN ERROR** Data to be read exceeds buffer length.
  - **NOT FOUND** No entry was found with the given key.
DUPLICATE
Add was rejected because key already exists.

WRONG VER
Change was rejected because version did not match.

AUTH FAIL
List authority value did not match.

LIST LIM
List has reached maximum number of entries.

I/O ERROR
DXLLIST error other than any of the above.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0951I  DFHCF0956I

DFHCF0951I  R12=spv  SP Entry function
UOWID=uowid  Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on entry to the syncpoint module DFHCFSF.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0952I  R12=spv  SP Exit response UOWID=uowid
Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on exit from the syncpoint module DFHCFSF.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0953I  R12=spv  SP Lock action UOWID=uowid
Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and a record lock action is being traced. The only lock action traced at present is 'POST', when a lock is being released after another task expressed interest in it.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0954I  R12=spv  SP UOW status UOWID=uowid
Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and a unit of work is being processed during restart processing.

• Unit of work status values
  
  INDOUBT
  The UOW needs to be resolved by the client region.

  COMMIT
  The UOW is being committed.

  BACKOUT
  The UOW is being backed out.

  DELETE
  No further changes were found so the UOW is being deleted.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0955I  R12=spv  SP Table table UOWID=uowid
Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and the named table is being processed as part of commit or backout processing.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFCF
Destination: SYSPRINT

DFHCF0956I  R12=spv  SP Record state action
UOWID=uowid  Task=tasknum  region

Explanation: Coupling facility data table server request tracing is active and the current record state is being traced before commit or backout processing.

• The record state may include the following hexadecimal values

Chapter 4. DFH messages - DFH01 to DFHM  493
The record is locked.
The record was changed in some way.
The record was created by this unit of work.
The record was updated by this unit of work.
The record was deleted by this unit of work.
The record lock is marked as retained.
This was the first record updated by this unit of work.

System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: DFHCFSP
Destination: SYSPRINT

DFHCPnmmm messages

DFHCP0101I applid CPI initialization has started.
Explanation: This is an informational message indicating the start of CPI initialization.
System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter MSGVL=0.
Module: DFHCPIN1
XMEOUT Parameter: applid
Destination: Console

DFHCP0102I applid CPI initialization has ended.
Explanation: This is an informational message indicating that CPI initialization has completed successfully.
System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter MSGVL=0.
Module: DFHCPIN1
XMEOUT Parameter: applid
Destination: Console

DFHCP0103I applid CPI initialization has failed.
Explanation: CPI has failed to initialize successfully.
System action: Message DFHSI1522 will be issued following this message. CICS will terminate or continue initialization depending upon the operator’s response to message DFHSI1522.
An exception trace entry will be written at the time the failure was detected.
Other CICS components called by CPI initialization may also issue messages or write trace entries.
User response: Determine which error has occurred and amend the application program accordingly.
The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.
Module: DFHCPIC

DFHCP0104I date time applid tranid program name CPI-C verb verb used unrecognized CONVERSATION_ID Conversation_ID.

Explanation: The application program has used an unrecognized conversation_ID on one of its calls to CPI-C. This could mean that
• The application program has not created a conversation successfully using either the CMINIT (Initialize_Conversation) or the CMACCP (Accept_Conversation) verbs, or
• The application program has used the conversation_ID supplied to it by CPI-C incorrectly.
System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.
User response: Decide whether CICS can continue execution without CPI support, and respond accordingly to message DFHSI1522.
You should also investigate why CPI failed to initialize.
Module: DFHCPIN1
XMEOUT Parameter: applid
Destination: Console

DFHCP0701I date time applid tranid program name CPI-C verb verb used unrecognized CONVERSATION_ID Conversation_ID.

Explanation: This message is used by the coupling facility data table server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.
System action: Processing continues.
User response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.
Module: various
Destination: SYSPRINT
XMEOUT Parameters: date, time, applid, tranid, program name, verb, Conversation_ID

Destination: CCPI

DFHCP0702I  date time applid tranid program name
Conversation_ID CPI-C verb verb was disallowed because of the conversation state state.

Explanation: The CPI-C state machine detected a state error. This means that the conversation was in the wrong state to issue this verb.

System action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Use the state machine defined in the SAA CPI Communications Reference manual, (SC26-4399), and the CICS trace information to determine the sequence of CPI-C calls issued that caused the state error. Amend the application program in accordance with the supplied guidelines.

Module: DFHCPIC

XMEOUT Parameters: date, time, applid, tranid, program name, Conversation_ID, verb, state

Destination: CCPI

DFHCP0705I  date time applid tranid program name
Conversation_ID invalid conversation_type parameter (X'conv_type') supplied on the CMSCT (Set_Conversation_Type) verb.

Explanation: The application program has called CMSCT (Set_Conversation_Type) with an invalid conversation_type parameter value.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSCT in the application program to use a valid conversation_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSA

XMEOUT Parameters: date, time, applid, tranid, program name, Conversation_ID, X'conv_type'

Destination: CCPI

DFHCP0707I  date time applid tranid program name
Conversation_ID the supplied conversation_type parameter of CM_MAPPED_CONVERSATION conflicts with the current setting of the fill characteristic CM_FILL_BUFFER.

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSF (Set_Fill) verb to set the fill characteristic.

This is not allowed in CPI-C.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program so that it does not use these two verbs in this invalid combination.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSA

XMEOUT Parameters: date, time, applid, tranid, program name, Conversation_ID

Destination: CCPI

DFHCP0708I  date time applid tranid program name
Conversation_ID the supplied conversation_type parameter of CM_MAPPED_CONVERSATION conflicts with the current setting of log_data.

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSLD (Set_Log_Data) verb to create some Log Data.

This is not allowed in CPI-C.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program so that it does not use these two verbs in this invalid combination.

The SAA CPI-C Reference manual, (SC26-4399), provides...
a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSA

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, deallocate_type, sync_level

Destination: CCPI

DFHCP0708I date time applid tranid program name conversation_ID invalid deallocate_type parameter (X'deallocate_type') supplied on the CMSDT (Set_Deallocate_Type) verb.

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with an invalid deallocate_type parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSDT in the application program to use a valid deallocate_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSB

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X'deallocate_type', sync_level

Destination: CCPI

DFHCP0709I date time applid tranid program name conversation_ID the supplied deallocate_type parameter deallocate_type conflicts with the current setting of the sync_level characteristic sync_level.

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with a deallocate_type of deallocate_type and with the sync_level characteristic set to sync_level.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSD

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X'fill'

Destination: CCPI

DFHCP0710I date time applid tranid program name conversation_ID invalid error_direction parameter (X'error_direction') supplied on the CMSED (Set_Error_Direction) verb.

Explanation: The application program has called CMSED (Set_Error_Direction) with an invalid error_direction parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSED in the application program to use a valid error_direction parameter.

Module: DFHCPCSB

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X'error_direction'

Destination: CCPI

DFHCP0711I date time applid tranid program name conversation_ID invalid fill parameter (X'fill') supplied on the CMSF (Set_Fill) verb.

Explanation: The application program has called CMSF (Set_Fill) with an invalid fill parameter fill.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSF in the application program to use a valid fill parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSD

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X'fill'

Destination: CCPI

DFHCP0712I date time applid tranid program name conversation_ID CMSF (Set_Fill) call conflicts with the current conversation_type of CM_MAPPED_CONVERSATION.

Explanation: The application program has called
CMSF (Set_Fill) when the conversation_type is CM_MAPPED_CONVERSATION.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSD

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID

**Destination:** CCPI

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DFHC0713I  date time applid tranid program name conversation_ID invalid mode_name_length parameter (mode_name_length) supplied on the CMSMN (Set_Mode_Name) verb.

**Explanation:** The application program has called CMSMN (Set_Mode_Name) with a mode_name_length parameter outside the range of 0 – 8.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend CMSMN in the application program to use a valid mode_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name_length

**Destination:** CCPI

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DFHC0714I  date time applid tranid program name conversation_ID invalid partner_lu_name_length parameter (partner_lu_name_len) supplied on the CMSPLN (Set_Partner_LU_Name) verb.

**Explanation:** The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_lu_name_length parameter outside the range 1–17.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend CMSPLN in the application program to use a valid partner_lu_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSF

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name_length

**Destination:** CCPI

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DFHC0714I  date time applid tranid program name conversation_ID log_data_length parameter (log_data_length) supplied on the CMSLD (Set_Log_Data) verb is not in the range 0-512.

**Explanation:** The application program has called CMSLD (Set_Log_Data) with a log_data_length parameter that is not in the range 0-512.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend CMSLD in the application program to use a valid log_data_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, log_data_length

**Destination:** CCPI

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DFHC0721I  date time applid tranid program name conversation_ID the partner_lu_name_length parameter (partner_lu_name_len) supplied on the CMSPLN (Set_Partner_LU_Name) verb is not in the range 1-17.

**Explanation:** The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_lu_name_length parameter outside the range 1–17.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend CMSPLN in the application program to use a valid partner_lu_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSF

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name_length

**Destination:** CCPI
program to use a partner.lu_name_length parameter within the range 1-17.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSG

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, partner.lu_name_len

Destination: CCPI

DFHCP0724I  date time applid tranid program name conversation_ID invalid
prepare_to_receive_type parameter (X’ptr_type’) supplied on the CMSPTR (Set_Prepare_To_Receive_Type) verb.

Explanation: The application program has called CMSPTR (Set_Prepare_To_Receive_Type) with an invalid prepare_to_receive_type parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on the conversation or the conversation characteristics.

User response: Amend CMSPTR in the application program to use a valid prepare_to_receive_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSH

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’ptr_type’

Destination: CCPI

DFHCP0726I  date time applid tranid program name conversation_ID invalid receive_type parameter (X’receive_type’) supplied on the CMSRT (Set_Receive_Type) verb.

Explanation: The application program has called CMSRT (Set_Receive_Type) with an invalid receive_type parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on the conversation or the conversation characteristics.

User response: Amend CMSRT in the application program to use a valid receive_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSI

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’receive_type’

Destination: CCPI

DFHCP0727I  date time applid tranid program name conversation_ID invalid return_control parameter (X’return_control’) supplied on the CMSRC (Set_Return_Control) verb.

Explanation: The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on the conversation or the conversation characteristics.

User response: Amend CMSRC in the application program to use a valid return_control parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSJ
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’return_control’

Destination: CCPI

DFHCP07281 date time applid tranid program name conversation_ID invalid send_type parameter (X’send_type’) supplied on the CMSST (Set_Send_Type) verb.

Explanation: The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSST in the application program to use a valid send_type parameter.

Module: DFHCPCSK

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’send_type’

Destination: CCPI

DFHCP07291 date time applid tranid program name conversation_ID the supplied send_type parameter CM_SEND_AND_CONFIRM is incompatible with the current setting of the send_type characteristic CM_NONE.

Explanation: The application program has called CMSST (Set_Send_Type) with a send_type parameter of CM_SEND_AND_CONFIRM and with the send_type characteristic set to CM_NONE.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’sync_level’

Destination: CCPI

DFHCP07301 date time applid tranid program name conversation_ID invalid sync_level parameter (X’sync_level’) supplied on the CMSSL (Set_Sync_Level) verb.

Explanation: The application program has called CMSSL (Set_Sync_Level) with an invalid sync_level parameter.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSSL in the application program to use a valid sync_level parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, X’sync_level’

Destination: CCPI

DFHCP07311 date time applid tranid program name conversation_ID the supplied sync_level parameter CM_NONE is incompatible with the current setting of the send_type characteristic CM_SEND_AND_CONFIRM.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE. The send_type is CM_SEND_AND_CONFIRM.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID

Destination: CCPI
DFHCP0732I  date time applid tranid program name conversation_ID  the supplied sync_level parameter sync_level is incompatible with the current setting of the deallocate_type characteristic deallocate_type.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of sync_level. The deallocate_type is deallocate_type.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSL

XMEOUT Parameters: date, time,applid, tranid, program name,conversation_ID, sync_level, deallocate_type

Destination: CCPI

DFHCP0734I  date time applid tranid program name conversation_ID tp_name_length parameter (tp_name_length) supplied on the CMSTPN (Set_TP_Name) verb is not in the range 1-64.

Explanation: The application program has called CMSTPN (Set_TP_Name) with an tp_name_length parameter outside the range 1–64.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Amend CMSTPN in the application program to use a valid tp_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSM

XMEOUT Parameters: date, time,applid, tranid, program name,conversation_ID, tp_name_length

Destination: CCPI

DFHCP0740I  date time applid tranid program name No incoming conversation to accept.

Explanation: The application program has called CMACCP (Accept_conversation) when there is no incoming conversation.

System action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response: Ensure that there is an incoming conversation to accept.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCAC

XMEOUT Parameters: date, time,applid, tranid, program name

Destination: CCPI

DFHCP0741I  date time applid tranid program name Duplicate call to CMACCP (Accept_Conversation).

Explanation: The application program has called CMACCP (Accept_conversation) more than once.

System action: CICS returns control to the application program with return_code
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend the application program so that it only calls CMACCP once.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that applications abide by this restriction.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that the application uses only CPI-C on this session.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that the application uses only CPI-C on this session.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that the application uses only CPI-C on this session.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that the application uses only CPI-C on this session.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Ensure that the application uses only CPI-C on this session.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name

**Destination:** CCPI

**Explanation:** The application program has called CMCFM (Confirm) when the sync_level is set to CM_NONE. This is not allowed.

**System action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response:** Amend the application program so that this conflict no longer occurs.

**Module:** DFHCPCAC

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID

**Destination:** CCPI
Explanation: The application program has called CMINIT (Initialize_Conversation). The profile found in the sym_dest_name supplied is unrecognized.

System action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

Module: DFHCPCIC

XMEOUT Parameters: date, time, applid, tranid, program name, profile_name, sym_dest_name

Destination: CCPI

Explanation: The application program has called CMSEND (Send_Data). Data passed on this call contains an invalid generalized data stream (GDS) record.

System action: The data is not sent.

User response: Amend the application program to ensure that this parameter is correct.

Module: DFHCPCR

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID

Destination: CCPI

Explanation: The application program has called CMSEND (Send_Data) with a send_length parameter that is not in the range 0–32767 bytes.

System action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

User response: The send_length parameter should not exceed 32767 bytes. Amend CMSEND to send data that is within the range 0–32767 bytes. This may entail sending the data in two chunks.

Module: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, send_length
DFHC0754I  date  applid  tranid  program name
            conversation_ID  data  sent  so  far  is
currently  in  the  middle  of  a  GDS  record
so  cannot  send  CMDEAL,  CMCFM  or
CMPTR  requests.

Explanation:  The  application  is  using  a  basic
conversation  (that  is,  the  conversation_type
characteristic  has  been  set  to
CM_BASIC_CONVERSATION).
The  application  has  not  sent  all  the  data  associated
with  the  last  Generalized  Data  Stream  (GDS)  record.
However,  the  application  has  tried  to  send  one  of  the
following  requests

•  a  CMDEAL  (Dealocate),
•  a  CMCFM  (Confirm),  or
•  a  CMPTR  (Prepare_to_receive).

System action:  CICS  returns  control  to  the  application
program  with  return_code
CM_PROGRAM_STATE_CHECK.

User response:  Inspect  the  data  sent  to  determine  why
the  previous  send  was  in  error.  Check  if  the  error  was
caused  by  the  application  truncating  the  last  record  or
if  there  was  an  error  in  one  of  the  length  fields  which
caued  CPI-C  to  misinterpret  the  data-stream  and
amend  the  application  program  accordingly.
The  SAA  CPI-C  Reference  manual,  (SC26-4399),  provides
a  detailed  description  of  all  the  CPI-C  verbs  and  how
they  should  be  called  together  with  information  about
GDS  records.
The  CICS  Distributed  Transaction  Programming  Guide
provides  additional  information  about  GDS  records.

Module:  DFHCPCCLR

DFHC0756  date  applid  tranid  program name
conversation_ID  unrecognized  sense_code
X’sense_code’  from  the
partner  (program  or  program  -  tp_name).

Explanation:  A  sense  code  recewed  from  the  partner
program  on  a  remote  system  was  unrecognized.  This
could  be  for  one  of  the  reasons.

•  a  protocol  error,  or
•  the  partner  program  is  running  on  a  later  release  and
new  sense  codes  have  been  added  to  the  APPC
architecture.

System action:  CICS  returns  control  to  the  application
program  with  either  return_code
CM_DEALLOCATE_ABEND  or
CM_PROGRAM_ERROR_PURGING.  This  depends  on
whether  the  unrecognized  sense  code  has  been
interpreted  as  an  error  or  interpreted  as  a  conversation  abend  on  the  front-end  system.

If  the  error  is  a  protocol  error,  you  need  further
assistance  from  IBM  to  resolve  this  problem.  See  Part 4
of  the  CICS  Problem  Determination  Guide  for  guidance
on  how  to  proceed.

Module:  DFHCPCCLR

XMEOUT  Parameters:  date,  time,  applid,  tranid,  program
name,  conversation_ID,  X’sense_code’,  (|=program,
|=program  -  tp_name)

Destination:  CCPI

DFHC0757I  date  applid  tranid  program name
conversation_ID  unrecognized  netname
netname  supplied  for  CMALLC
(Allocate)  verb.

Explanation:  The  allocation  of  a  session  for  this
conversation  failed  due  to  an  unrecognized  netname
netname.

This  value  is  derived  from  the  partner_lu_name
specified  either  in  the  partner  resource  for  the
conversation,  or  on  a  CPI-C  CMSPLN
(set_partner_lu_name)  verb.

System action:  CICS  returns  control  to  the  application
program  with  return_code  CM_PARAMETER_ERROR.

No  session  is  allocated.

User response:  Amend  the  application  program  to  use
a  recognized  netname.

Module:  DFHCPCCLR

XMEOUT  Parameters:  date,  time,  applid,  tranid,  program
name,  conversation_ID,  netname

Destination:  CCPI

DFHC0758I  date  applid  tranid  program name
conversation_ID  unrecognized  mode_name
mode_name  supplied  for  CMALLC  (Allocate)  verb.

Explanation:  The  allocation  of  a  session  for  this
conversation  failed  due  to  an  unrecognized  mode  name
mode_name.

This  value  is  specified  either  in  the  profile  named  in
the  partner  resource  for  the  conversation,  or  on  a  CPI-C
CMSMN  (set_mode_name)  verb.

System action:  CICS  returns  control  to  the  application
program.
DFHCP0759I  DFHCP0763I

No session is allocated.

User response: Amend the application program to use a recognized mode_name.

Module: DFHCPCCLR

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, mode_name

Destination: CCPI

DFHCP0759I date time applid tranid program name conversation_ID invalid use of the SNA service TP X'tp_name'

Explanation: The allocation of a session for conversation_id failed because the transaction program (TP) specified in the conversation control block (CPC) is an SNA service TP. This is not allowed.

System action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User response: Depending on the application, the partner.lu_name either comes from the partner resource (specified on the CMINIT (initialize_conversation) verb in the sym.dest_name parameter) or an optional CMSPLN (set_partner.lu_name) verb. This value needs to be changed to conform to the rules above.

Module: DFHCPCAL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, partner.lu_name

Destination: CCPI

DFHCP0760I date time applid tranid program name conversation_ID an invalid partner.lu_name partner.lu_name was specified for the CMALLC (Allocate) verb.

Explanation: The allocation of a session for conversation_id has failed. This is because the partner.lu_name specified in the conversation control block (CPC) is not allowed.

System action: No session is allocated.

User response: Amend the application program so that it uses a different partner.lu_name.

Module: DFHCPCAL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, partner.lu_name

Destination: CCPI

DFHCP0761I date time applid tranid program name conversation_ID an invalid mode_name mode_name was specified for the CMALLC (Allocate) verb.

Explanation: The allocation of a session for conversation_id has failed. This is because the mode_name specified in the conversation control block (CPC) is not allowed.

System action: No session is allocated.

User response: Amend the application program so that it uses a different mode_name.

Module: DFHCPCCL

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, mode_name

Destination: CCPI

DFHCP0763I date time applid tranid program name conversation_ID the mode_name mode_name specified for the CMALLC (Allocate) verb is unknown to z/OS Communications Server.

Explanation: The allocation of a session for conversation_id has failed. This is because the mode_name specified in the conversation control block (CPC) is known to the remote system, but is unknown to z/OS Communications Server.

System action: No session is allocated.

User response: Amend the application program so that it uses a different mode_name.

Module: DFHCPCCLR

XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, mode_name
Partner Resource Manager is unavailable.

Explanation: The application program has called CMINIT (Initialize_Conversation), but the partner resource manager (which provides access to the partner resource table) is not available.

System action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User response: First determine whether message DFHPR0106 was issued during CICS initialization; if so, refer to the advice given for that message. Otherwise it appears that CICS-owned storage (either the static storage address list, or the PR static storage) has been overlaid. Refer to the CICS Problem Determination Guide for guidance on how to deal with storage violations.

Module: DFHPCIC

Module: DFHCPIC

DFHCQ0001  applid An abend (code aab/bbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aab/bbb is a three 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHQCQ, DFHCQSY

DFHCQ0002  applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: An exception entry (code X'code' in the
message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: The severity of this error depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCQCQ, DFHCQSY
XMEOUT Parameters: applid, X’code’,modname
Destination: Console

DFHCQ0100I applid Console queue initialization has started.
Explanation: Console queue initialization has started.
System action: System initialization continues.
User response: None. The message can be suppressed with the system initialization parameter MSGVLvl=0.
Module: DFHCQCQ
XMEOUT Parameter: applid
Destination: Console

DFHCQ0101I applid Console queue initialization has ended.
Explanation: Console queue initialization has completed successfully.
System action: System initialization continues.
User response: None. The message can be suppressed with the system initialization parameter MSGVLvl=0.
Module: DFHCQSY
XMEOUT Parameter: applid
Destination: Console

DFHCQ0102I applid Console queue initialization has failed.
Explanation: Console queue initialization has failed.
System action: Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.
If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.
User response: Check previous console messages, one of which should explain why console queue initialization has failed.
Module: DFHCQSY
XMEOUT Parameter: applid
Destination: Console

DFHCQ0103I applid MVS console queue is open.
Explanation: CICS sets a limit of 255, the MVS maximum, on the number of modify commands that can be queued at any time for the CICS server.
CICS also sets an internal limit of 254 on the number of modify commands that can be queued at any time to invoke transactions, for example CEMT.
If this internal limit is reached CICS will reject further modify commands unless these invoke transaction CEMT.
User response: None. The message can be suppressed with the system initialization parameter MSGVLvl=0.
Module: DFHCQSY
XMEOUT Parameter: applid
Destination: Console

DFHCQ0104I applid MVS console queue is closed.
Explanation: CICS will not accept any modify commands from MVS.
System action: System termination continues.
User response: None. The message can be suppressed with the system initialization parameter MSGVLvl=0.
Module: DFHCQSY
XMEOUT Parameter: applid
Destination: Console
DFHCQ0105I applid CICS is busy. MVS modify command has been rejected.

Explanation: CICS can not accept the modify command as 254 modify commands to invoke transactions are currently queued.

System action: CICS rejects the modify command.

User response: The severity of this error depends on how many terminal definitions are being autoinstalled in your CICS system at the time you entered the modify command.

If the message recurs when you reenter the modify command you can use the CEKL INQUIRE and SET commands to identify the user tasks in your system and which, if any, should be removed from your system.

Module: DFHCQSY
Destination: Console

---

DFHCQ0200I applid CEKL transaction enabled.

Explanation: CICS supports CEKL INQUIRE and CEKL SET commands.

System action: CICS continues normally.

User response: You can use the CEKL INQUIRE and CEKL SET commands from a console device.

Module: DFHCQSY

---

DFHCQ0201I applid CEKL command ignored; INQUIRE or SET keyword must be specified.

Explanation: The CEKL command has been rejected.

The INQUIRE or SET keyword is expected; neither has been specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY
Destination: Console

---

DFHCQ0211I applid CEKL command ignored; input expected.

Explanation: The CEKL command has been rejected.

A keyword is expected but has not been specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY
Destination: Console

---

DFHCQ0212I applid CEKL command ignored; input beginning input is too long.

Explanation: The CEKL command has been rejected.

The input beginning input is too long; for example a transaction class name that is longer than 9 bytes.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY
Destination: Console

---

DFHCQ0213I applid CEKL command ignored. Keyword, keyword is repeated.

Explanation: The CEKL command has been rejected.

Keyword keyword has been specified more than once.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY
Destination: Console
DFHCQ0214I  applid CEKL command ignored.
Keyword, invkwd is not supported.

Explanation: The CEKL command has been rejected.
invkwd is not a valid keyword.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0215I  applid CEKL command ignored;
Keyword, invkwd is ambiguous.

Explanation: The CEKL command has been rejected.
Keywords can be abbreviated provided that the
abbreviated keyword is unique; for example TRANSID
and TRANC can be abbreviated to TRANS and
TRANC respectively but not to TRAN.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0216I  applid CEKL command ignored;
invval is non-numeric.

Explanation: The CEKL command has been rejected.
A non-numeric keyword value has been specified
where a numeric value is expected; for example
TASK(12345) is valid, TASK(abcde) is invalid.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0217I  applid CEKL command ignored;
invkwd is out of range.

Explanation: The CEKL command has been rejected.
A keyword value has been specified which lies outside
the range of values supported for the keyword; for example
task numbers must be in the range 1-99999.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0218I  applid CEKL command ignored; delim
expected after kywd.

Explanation: The CEKL command has been rejected.
A left parenthesis, '(', or a right parenthesis, ')' is
expected but has not been specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0220I  applid CEKL INQUIRE command
ignored; TASK keyword must be
specified.

Explanation: The CEKL INQUIRE command has been
rejected.
The TASK keyword is expected but has not been
specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0221I  applid CEKL INQUIRE command
ignored; keyword expected.

Explanation: The CEKL INQUIRE command has been
rejected.
A keyword is expected but has not been specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console

DFHCQ0224I  applid CEKL INQUIRE command
ignored; keywords conflict.

Explanation: The CEKL INQUIRE command has been
rejected.
Conflicting keywords have been specified.

System action: The system continues normally.

User response: Check the syntax of the CEKL command.

Module: DFHCQSY

Destination: Console
DFHCQ0230I applid CEKL SET command ignored;
      TASK keyword must be specified.
Explanation: The CEKL SET command has been rejected.
The TASK keyword is expected but has not been specified.
System action: The system continues normally.
User response: Check the syntax of the CEKL command.
Module: DFHCQSY
Destination: Console

DFHCQ0231I applid CEKL SET command ignored;
      keyword expected.
Explanation: The CEKL SET command has been rejected.
A keyword is expected but has not been specified.
System action: The system continues normally.
User response: Check the syntax of the CEKL command.
Module: DFHCQSY
Destination: Console

DFHCQ0232I applid CEKL SET command ignored;
      task number must be specified.
Explanation: The CEKL SET command has been rejected.
The TASK keyword must be qualified by taskno.
System action: The system continues normally.
User response: Check the syntax of the CEKL command.
Module: DFHCQSY
Destination: Console

DFHCQ0233I applid CEKL SET command ignored;
      PURGE or FORCEPURGE or KILL
      keyword must be specified.
Explanation: The CEKL SET command has been rejected.
A keyword, PURGE or FORCEPURGE or KILL, is expected but has not been specified.
System action: The system continues normally.
User response: Check the syntax of the CEKL command.
Module: DFHCQSY
Destination: Console

DFHCQ0234I applid CEKL SET command ignored;
      keywords conflict.
Explanation: The CEKL SET command has been rejected.
Conflicting keywords have been specified.
System action: The system continues normally.
User response: Check the syntax of the CEKL command.
Module: DFHCQSY
Destination: Console

DFHCQ0240I applid CEKL INQUIRE: task number
      taskno not found.
Explanation: Task number taskno has not been found.
System action: The system continues normally.
User response: Check the value that you specified for taskno.
If this is correct then the task has been removed from the system.
Module: DFHCQSY
Destination: Console

DFHCQ0241I applid CEKL INQUIRE: task number
      taskno, found.
Explanation: Task number taskno has been found.
System action: CICS displays information about task taskno on the console and job log.
User response:
Module: DFHCQSY
Destination: Console

DFHCQ0242I applid CEKL INQUIRE: no tasks
      matched selection criteria.
Explanation: CICS has not found any tasks that match the options specified on the CEKL INQUIRE command.
System action: The system continues normally.
User response: Check the options specified on the CEKL command. For example specify a lower value for the SUSPENDED option.
Module: DFHCQSY
Destination: Console
DFHCQ0243I  applid CEKL INQUIRE: notasks task(s) matched selection criteria.

Explanation: notasks tasks have been found matching the options specified on the CEKL INQUIRE command.

System action: CICS displays information about these tasks on the console and job log.

User response: You should use the information to determine, which task, if any, should be removed from your system.

If the list of tasks is too long you may decide to invoke the CEKL INQUIRE command again specifying a different set of options.

Module: DFHCQSY
Destination: Console

DFHCQ0250I  applid CEKL SET: task number taskno not found.

Explanation: The request to remove task number taskno from the system has been rejected.

The task can not be found.

System action: The system continues normally.

User response: Check the value that you specified for taskno.

If this is correct then the task has been removed from the system.

Module: DFHCQSY
Destination: Console

DFHCQ0251I  applid CEKL SET: deferred PURGE request issued for task number taskno.

Explanation: The request to remove task taskno from the system has been deferred as it has not yet been attached to the to the dispatcher, the task either belongs to a transaction class that is at its MAXACTIVE limit or the system is at its MXT limit.

System action: CICS will purge the task when it has been attached to the dispatcher.

User response: None.

Module: DFHCQSY
Destination: Console

DFHCQ0252I  applid CEKL SET: PURGE request issued for task number taskno.

Explanation: A request has been passed to the dispatcher to purge task number taskno.

System action: CICS continues normally.

User response: The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

Module: DFHCQSY
Destination: Console

DFHCQ0253I  applid CEKL SET: PURGE request ignored; task number taskno is being purged.

Explanation: The request to purge number taskno has been ignored.

A previous request was passed to the dispatcher to purge the task.

System action: CICS continues normally.

User response: None.

Module: DFHCQSY
Destination: Console

DFHCQ0254I  applid CEKL SET: PURGE request ignored; task number taskno is being forcepurged.

Explanation: The request to purge number taskno has been ignored.

A previous request was passed to the dispatcher to forcepurge the task.

System action: CICS continues normally.

User response: None.

Module: DFHCQSY
Destination: Console

DFHCQ0255I  applid CEKL SET: PURGE request ignored; task number taskno is being killed.

Explanation: The request to kill purge number taskno has been ignored.

A previous request was passed to the dispatcher to kill the task.

System action: CICS continues normally.

User response: None.

Module: DFHCQSY
Destination: Console

DFHCQ0256I  applid CEKL SET: FORCEPURGE request issued for task number taskno.

Explanation: A request has been passed to the dispatcher to forcepurge task number taskno.

System action: CICS continues normally.
User response: The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

Module: DFHCQSY
Destination: Console

DFHCQ0257I applid CEKL SET: FORCEPURGE request ignored; task number taskno is being forcepurged.

Explanation: The request to forcepurge number taskno has been ignored.
A previous request was passed to the dispatcher to forcepurge the task.
System action: CICS continues normally.
User response: None.
Module: DFHCQSY
Destination: Console

DFHCQ0258I applid CEKL SET: FORCEPURGE request ignored; task number taskno is being killed.

Explanation: The request to forcepurge number taskno has been ignored.
A previous request was passed to the dispatcher to kill the task.
System action: CICS continues normally.
User response: None.
Module: DFHCQSY
Destination: Console

DFHCQ0259I applid CEKL SET: KILL request issued for task number taskno.

Explanation: A request has been passed to the dispatcher to kill task number taskno.
System action: CICS continues normally.
User response: The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.
Module: DFHCQSY
Destination: Console

DFHCQ0260I applid CEKL SET: KILL request ignored; task number taskno is being killed.

Explanation: The request to kill task number taskno has been ignored.

A previous request was passed to the dispatcher to kill the task.
System action: CICS continues normally.
User response: The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.
Module: DFHCQSY
Destination: Console

DFHCQ0261I applid CEKL SET: PURGE request rejected for system task number taskno.

Explanation: The request to purge system task number taskno from the system has been rejected.
System action: The system continues normally.
User response: None.
Module: DFHCQSY
Destination: Console

DFHCQ0262I applid CEKL SET: FORCEPURGE request rejected for system task number taskno.

Explanation: The request to forcepurge system task number taskno from the system has been rejected.
System action: The system continues normally.
User response: None.
Module: DFHCQSY
Destination: Console

DFHCQ0263I applid CEKL SET: KILL request rejected for system task number taskno.

Explanation: The request to kill system task number taskno from the system has been rejected.
System action: The system continues normally.
User response: None.
Module: DFHCQSY
Destination: Console

DFHCQ0264I applid CEKL SET: PURGE request rejected; task number taskno is not purgeable.

Explanation: The request to purge task number taskno from the system has been rejected. The transaction definition specifies SPURGE(NO).
System action: The system continues normally.
User response: Retry the request to remove the task from the system specifying either the FORCEPURGE or the KILL option.
DFHCQ0265I  DFHCQ4302

Module:  DFHCQSY
Destination:  Console

DFHCQ0265I  applid CEKL SET: FORCEPURGE request ignored; task number taskno is being purged.

Explanation:  The request to forcepurge task number taskno has been rejected.
A request to remove the task from the system has been made and deferred as it has not yet been attached to the dispatcher; the task either belongs to a transaction class that is at its MAXACTIVE limit or the system is at its MXT limit.

System action:  CICS will purge the task when it has been attached to the dispatcher.
User response:  If the task can not be attached to the dispatcher because the system is under stress then
• the CEKL INQUIRE command can be used to identify another task that is already attached to the dispatcher
• the CEKL SET command can be used to remove that task from the system so reducing the stress

Module:  DFHCQSY
Destination:  Console

DFHCQ0266I  applid CEKL SET: KILL request ignored; task number taskno is being purged.

Explanation:  The request to kill task number taskno has been rejected.
A request to remove the task from the system has been made and deferred as it has not yet been attached to the dispatcher; the task either belongs to a transaction class that is at its MAXACTIVE limit or the system is at its MXT limit.

System action:  CICS will purge the task when it has been attached to the dispatcher.
User response:  If the task can not be attached to the dispatcher because the system is under stress then
• the CEKL INQUIRE command can be used to identify another task that is already attached to the dispatcher
• the CEKL SET command can be used to remove that task from the system so reducing the stress

Module:  DFHCQSY
Destination:  Console

DFHCRnnnn messages

DFHCR4300  date time applid Transaction tranid not executed on terminal termid on system sysid. Transaction invalid on that system

Explanation:  A request was made to start a task on remote system sysid. The request could not run because transaction tranid is not defined on system sysid.
This message is also displayed for static routing under the following circumstances
• The transaction tranid is not eligible for enhanced routing and
• The transaction is defined on system sysid with a REMOTESYSTEM name that does not match the name of the connection to this system (or the name of an intermediate system, if the request is daisy-chained).

System action:  Other processing continues.
User response:  Ensure that terminal termid and transaction tranid are defined correctly on system sysid.

Module:  DFHCRS
XMEOUT Parameters:  date, time,applid, tranid, termid, sysid
Destination:  CSMT

DFHCR4301  date time applid Transaction tranid not executed on terminal termid on system sysid. Terminal invalid on that system

Explanation:  A request was made to schedule a task on remote system sysid. The request could not be executed because terminal termid is not defined on system sysid.

System action:  Other processing continues.
User response:  Ensure that terminal termid and transaction tranid are defined on system sysid.

Module:  DFHCRS
XMEOUT Parameters:  date, time,applid, tranid, termid, sysid
Destination:  CSMT

DFHCR4302  date time applid Transaction tranid not executed on terminal termid on system sysid. Schedule request failed on that system

Explanation:  A request was made to schedule a task on remote system sysid. The request could not be executed.

System action:  Other processing continues.
User response:  Check the system definition tables of the remote system to determine why schedule requests might not be honored.

Module:  DFHCRS
DFHCR4310  date time applid Request from system
sysid to initiate transaction tranid on that
system on terminal termid was not
executed. Transaction invalid on this
system.

Explanation: A request was received from remote
system sysid to start transaction tranid on system
sysid on terminal termid. The request could not be met
because transaction tranid is not defined in this system.

System action: Processing continues.

User response: Check the system definition tables of
the local system to determine why schedule requests
might not be honored.

Module: DFHCRS

XMEOUT Parameters: date, time,applid, sysid, tranid,
termid

Destination: CSMT

DFHCR4311  date time applid Request from system
sysid to initiate transaction tranid on that
system on terminal termid was not
executed. Terminal invalid on this
system.

Explanation: A request was received from remote
system sysid to start transaction tranid on system sysid
on terminal termid. The request could not be met
because terminal termid is not defined on this system.

System action: Processing continues.

User response: Ensure that terminal termid and
transaction tranid are defined correctly on both systems.

Module: DFHCRS

XMEOUT Parameters: date, time,applid, sysid, tranid,
termid

Destination: CSMT

DFHCR4312  date time applid Request from system
sysid to initiate transaction tranid on that
system on terminal termid was not
executed. Schedule request failed

Explanation: A request was received from remote
system sysid to initiate transaction tranid on system
sysid on terminal termid. The request could not be
honored because the schedule request failed.

System action: Processing continues.

User response: Check the system definition tables of
the local system to determine why schedule requests
might not be honored.

Module: DFHCRS

XMEOUT Parameters: date, time,applid, sysid, tranid,
termid

Destination: CSMT

DFHCR4314  date time applid Request to initiate
transaction tranid on remotely owned
terminal termid has been purged.
Request was not deliverable to system
sysid within the ATI purge delay time
interval.

Explanation: A request to initiate transaction tranid
was not delivered to system sysid, probably because a
link to system sysid had not been made available.

System action: Processing continues.

User response: Ensure that a link to system sysid is
made available between issuing the transaction
initiation request and the elapse of the ATI purge delay
time interval.

Module: DFHCRQ

XMEOUT Parameters: date, time,applid, tranid, termid,
sysid

Destination: CSMT

DFHCR4315  date time applid Request to initiate
transaction tranid on remotely owned
terminal termid has been purged. System
sysid has not responded within the ATI
purge delay time interval.

Explanation: A request to initiate transaction tranid
was sent to system sysid. System sysid acknowledged
the request but did not respond within the ATI purge
delay time interval. If system sysid eventually responds,
the task will not be executed.

System action: Processing continues.

User response: Determine why system sysid did not
respond. The system did not respond because
1. the task started and abnormally terminated, or
2. the task failed a security check, or
3. system sysid abnormally terminated and all details of the request were lost.

Module: DFHCRQ

DFHCZ0105 messages

DFHCZ0105 date time applid userid termid tranid program name CICS event summary: class::method condition=’resp’ (resptext)
minor=’resp2’

Explanation: This message is issued whenever the method IccEvent::summary is called, and it gives the summary details of the event (CICS call).

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.

User response: This message is issued for information only and there is no specific user action needed in response.

Module: ICCEVTEC

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, class, method, X’resp’, resptext, X’resp2’

Destination: CCZM

DFHCZ0106 date time applid userid termid tranid program name CICS exception summary: exceptno class::method type=type.

Explanation: This message is issued whenever the method IccException::summary is called, and it gives the summary details of the exception.

The message related to the exception can be obtained by calling the method IccException::message.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.

User response: This message is issued for information only and there is no specific user action needed in response.

Module: ICCEXCEC

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, exceptno, class, method, type

Destination: CCZM

DFHCZ0108 date time applid userid termid tranid program name class::method This method failed because an internal call to CICS

Explanation: The method reported in the message failed because an internal call to CICS returned a failure condition.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: You need to correct the cause of the underlying CICS failure before retrying this command. You should look at other messages and the trace log for further indication of the root cause.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCRESIC

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, class, method, condition

Destination: CCZM

DFHCZ0109 date time applid userid termid tranid program name class::method This method failed because of a severe internal error.
Diagnostic information: diaginfo1, diaginfo2.

Explanation: The method reported in the message failed because of a severe internal error.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: Make a note of the diagnostic information and contact IBM for assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCBASE, ICCCLKEC, ICCCTLEC, ICCFILEC, ICCFILEC, ICCRESEC, ICCRESIC, ICCTIMEC, ICCTRMEC, ICCTSKEC

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, class, method, diaginfo1, diaginfo2

Destination: CCZM
**DFHCZ0110**

_date time applid userid termid tranid_

_program name class method_ This constructor/operator failed because it is not supported on the current platform of env.

**Explanation:** The constructor/operator reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to establish why this program was running on an MVS platform; and then, either change the program not to call this method, or change the platform as appropriate.

If you are using vendor written software that fails in this way, you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCONEC, ICCJRNEC, ICCRIDECE, ICCSESEC, ICCUSREC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

---

**DFHCZ0111**

_date time applid userid termid tranid_

_program name class method_ This method failed because it is not supported on the current platform of env.

**Explanation:** The method reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to establish why this method was called; and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCABDEC, ICCCLKEC, ICCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

**Destination:** CCZM

---

**DFHCZ0112**

_date time applid userid termid tranid_

_program name class method_ This method failed because it is not supported on the current platform of env.

**Explanation:** The method reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCABDEC, ICCCLKEC, ICCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

**Destination:** CCZM

---

**DFHCZ0113**

_date time applid userid termid tranid_

_program name class method_ This method failed because the system is configured with CICS family subset enforcement.

**Explanation:** The method reported in the message failed because CICS has been configured to restrict its functionality to that of the CICS family subset. This method is not part of this subset.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCABDEC, ICCCLKEC, ICCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

**Destination:** CCZM
and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

---

**DFHCZ0114**

```
DFHCZ0114  date time applid termid tranid
program name class method
This method
failed because the object being accessed
was incomplete.

Explanation: The method reported in the message
failed because the object being accessed was incomplete as shown below

Method Name
Required Resource

IccSession::connectProcess
Partner Id

IccSession::convId
Conversation identifier name

IccSession::PIPList
PIP list

IccSession::process
Process name

IccSession::syncLevel
Sync level
```

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to change it so that the object being accessed, either does not have an input message, or the program is not invoked through the use of the remote program link.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCSESEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

---

**DFHCZ0116**

```
DFHCZ0116  date time applid termid tranid
program name class method
This method
failed because the object being accessed
was not one of the supported classes.

Explanation: The method reported in the message
failed because the object being accessed was not one of the supported classes; IccDataQueue, IccFile, IccFileIterator, IccProgram, IccStartRequestQ, IccTempStore.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to change it so that the object is of the correct type before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCRESEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

---

**DFHCZ0117**

*date* *time* *applid* *termid* *tranid* *program name* *class* *method*

This method failed because the object being accessed was of type *object_type*.

**Explanation:** The method reported in the message failed because the object being accessed was not of the correct type.

For example, the method `IceSession::extractProcess()` is restricted to access objects of type Back-End only.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to change it so that the object has the correct resources allocated to it before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCFILEC, ICCFILIC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, resource

**Destination:** CCZM

---

**DFHCZ0120**

*date* *time* *applid* *termid* *tranid* *program name* *class* *method*

This method failed because the current number of nested program calls made using this method is already at the maximum of *max*.

**Explanation:** The method reported in the message failed because its usage is restricted to a maximum of 15 nested calls, while the current request would cause this to be exceeded.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written then you need to change it so that it does not cause the depth of nesting to exceed 15.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCPRGEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, max

**Destination:** CCZM

---

**DFHCZ0121**

*date* *time* *applid* *termid* *tranid* *program name* *class* *method*

This method failed because the call is invalid for the object being accessed. The resource type of the object is *resourcetype*.

**Explanation:** The method reported in the message failed because the method is only valid for a restricted
This method is valid for the following resource types; cDataQueue, cFile, cFileIterator, cProgram, cStartRequestQ, cTempStore.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: If the calling program is user written then you need to change it so that it does not call this method for this type of object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCFILEC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, resourcetype

Destination: CCZM

DFHCZ0122 date time applid userid termid tranid program name class method This method failed because the optional parameter named pname was set, which is invalid for the current environment of env.

Explanation: The method reported in the message failed because it detected that an optional parameter was set which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCFILEC, ICCFLIIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICCTIMEC, ICCSTKEC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, pname

Destination: CCZM

DFHCZ0125 date time applid userid termid tranid program name class method This method failed because the object being accessed had a buffer containing function management headers(FMHs), which is invalid for the current environment of env.

Explanation: The method reported in the message failed because the system detected a buffer containing a function management header(FMH), which is invalid for the current environment.

FMH headers are used in SNA communication protocols and during 3270 terminal error conditions.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: If the calling program is user written then you need to establish why the system used buffers containing FMH headers, and if appropriate, change...
the environment or change the program to avoid using this function.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCSRQEC

**XMEOUT Parameters:** date, time,applid, userid, termid, tranid, program name, class, method, env

**Destination:** CCZM

DFHCZ0126  
*date time applid userid termid tranid program name class:method This method failed because the object being accessed had a buffer containing function management headers(FMHs), which is invalid because the system is configured with CICS family subset enforcement.***

**Explanation:** The method reported in the message failed because the system detected a buffer containing a function management header(FMH), which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

FMH headers are used in SNA communication protocols and during 3270 terminal error conditions.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.

**User response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCSESEC

**XMEOUT Parameters:** date, time,applid, userid, termid, tranid, program name, class, method, pname, length, max

**Destination:** CCZM

DFHCZ0127  
*date time applid userid termid tranid program name class:method This method failed because the value of the parameter named pname, specified as length, was not within the range 1 to max.***

**Explanation:** This is an internal logic error.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** You will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCSRQEC

**XMEOUT Parameters:** date, time,applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

DFHCZ0128  
*date time applid userid termid tranid program name class:method This method failed because the length of the parameter named pname, specified as length, was not within the range 1 to max.***

**Explanation:** The method/operator reported in the message failed because the value passed in for the named parameter was invalid.

For example, assuming the definition, IccResource::IccResourceId(cFileId,"ABC"), the call, assign(9999,"PQRS"), would fail because the length value of 9999 is invalid.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.

**User response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
enough and could not be extended to accommodate the
new string.

For example, assuming the definition, IccBuf
buffer(5,IccBuf::fixed), the assignment, buffer =
"toolong", would fail because the length of "toolong" is
greater than 5. The resulting text value of the object
buffer would be "toolu".

For further guidance, see the CICS Family C++ OO
Class Libraries.

System action: The system creates an exception entry
in the trace table, writes this message to the TD queue
CCZM, throws an exception, and completes the request
having truncated the excess data.

User response: If the calling program is user written
then you need to check the invalid parameter on the
calling statement, and if appropriate, change it.
If you are using vendor written software that fails in
this way then you will need assistance from the vendor.
If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module: ICCBUFIC
XMEOUT Parameters: date, time,applid, userid, termid,
tranid, program name, class, method
Destination: CCZM

---

**DFHCZ0130**

date time applid userid termid tranid
program name class:method This
method/operator failed because the
parameter pname contained a string of
length length, while the maximum
allowed is max.

Explanation: The method reported in the message
failed because one of the string parameters supplied
contained a value that was too long.

For example, the method call
IccFileId::IccFileId("LONGFILENAME") would fail
because the value ‘LONGFILENAME’ is greater than
IccGI::maxFileNameLength.

For further guidance, see the CICS Family C++ OO
Class Libraries.

System action: The system creates an exception entry
in the trace table, writes this message to the TD queue
CCZM, and throws an exception.

User response: If the calling program is user written
then you need to check the invalid parameter on the
calling statement, and if appropriate, change it.
If you are using vendor written software that fails in
this way then you will need assistance from the vendor.
If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module: ICCRIDEC, ICCTIMEC
XMEOUT Parameters: date, time,applid, userid, termid,
tranid, program name, class, method, stringvalue,
maxstringlength
Destination: CCZM

---

**DFHCZ0132**

date time applid userid termid tranid
program name class:method This
constructor failed to create an object
because the parameter named pnname
contained an invalid string of length
plength while the maximum length
allowed is pmaxlength.

Explanation: This is an internal logic error.

System action: The system creates an exception entry
in the trace table, writes this message to the TD queue
CCZM, and throws an exception.

User response: You will need assistance from IBM.
Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCSESIC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, pname, plength, pmaxlength

Destination: CCZM

DFHCZ0134  date time applid userid termid tranid
        program name class:method This method
        failed because the parameter named
        pname contained an invalid value.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid. For example, the method call IccFile::readRecord(999, updateToken) would fail because the read mode value of 999 is not within the valid range of 70 to 74.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCFILEC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, param_name, flag1, flag2

Destination: CCZM

DFHCZ0137  date time applid userid termid tranid
        program name class:method This
        constructor failed to create an object
        because the parameter named
        pname contained an invalid value of
        pvalue.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is restricted to a defined range, while the value supplied on the call was not within this range. For example, the method call IccJournalId::IccJournalId(987) would fail because the journalNum value of 987 is outside the range 1 to 99.

For further guidance, see the CICS Family C++ OO Class Libraries.

System action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: ICCRIDEF
DFHCZ0138 • DFHCZ0141

Destination: CCZM

**DFHCZ0138**

date time applid userid termid tranid program name class: method

This method failed because the parameter named
 pname contained an invalid value of pvalue.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer (general sense), while the value supplied on the call was not sensible for the functional content of the method. For example the method call IccTerminal::sendLine(9876,buffer) would fail, because the column value of 9876 is greater than the height of the screen.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** If the calling program is user written, then you need to change it so that it does not call this method more than once per transaction.

You might consider using the method instance(). All CICS singleton classes provide a method of this name or similar, which returns a reference to the unique object, creating it should it not pre-exist. This method can be safely called multiple times, each time returning the reference to the same object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCABDEC ICCCONEC ICCCTLEC ICCSRQEC ICCSYSEC ICCTMDEC ICCTRMEC ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Destination:** CCZM

---

**DFHCZ0141**

date time applid userid termid tranid program name class: method

This method failed to create the object object because the CICS task did not have a terminal as its principal facility.

Explanation: The method reported in the message failed to create an object because the CICS transaction was not defined with a terminal as its principal facility. Typically, the program calling this method, should be running as a terminal initiated transaction in a front end CICS region (TOR).

For further guidance, see the CICS Family C++ OO Class Libraries.

**System action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response:** You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** ICCCTLEC ICCTMDEC ICCTRMEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, object

**Destination:** CCZM
DFHCZ0142  date time applid userid termid tranid
program name class:method This method
failed to create an object of type object
because the CICS task did not have a
session as its principal facility.

Explanation: The method reported in the message
failed to create an object because the CICS transaction
was not defined with a session as its principal facility.
Typically, the program calling this method would be
running as a system initiated transaction relating to
CICS distributed transaction processing.

For further guidance, see the CICS Family C++ OO
Class Libraries.

System action: The system creates an exception entry
in the trace table, writes this message to the TD queue
CCZM, and throws an exception.

User response: You need to change the CICS
configuration definition so that the program calling this
method runs in the correct environment.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module: ICCCTLEC
XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, class, method, object
Destination: CCZM

DFHCZ0143  date time applid userid termid tranid
program name class:method This virtual
method has not been implemented by
the derived class.

Explanation: The method of the class reported in the
message has not been implemented by a derived class.
This method is defined as a virtual method with the
intent that it is redefined, when appropriate, by its
sub-classes.

The default implementation simply throws an
exception to alert the user of this condition.

For further guidance, see the CICS Family C++ OO
Class Libraries.

System action: The system creates an exception entry
in the trace table, writes this message to the TD queue
CCZM, and throws an exception.

User response: If you have written a class that inherits
this class then you should provide a suitable
implementation for this method.

If you are using vendor written software that may
inherit this class then you will need assistance from the
vendor.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module: ICCRESEC
XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, class, method
Destination: CCZM

DFHCZ0200  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, SysId)' in
module failed.

Explanation: A JNI call, GetStringUTFChars(envp,
SysId), in code written to support Java native methods
used by the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (AttachInitiator.c)
XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module
Destination: CCZM

DFHCZ0201  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, profile)' in
module failed.

Explanation: A JNI call, GetStringUTFChars(envp,
profile), in code written to support Java native
methods used by the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (AttachInitiator.c)
XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module
Destination: CCZM

DFHCZ0202  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, process)' in
module failed.

Explanation: A JNI call, GetStringUTFChars(envp,
process), in code written to support Java native
methods used by the JCICS Java class library has failed.

System action: The system writes this message to the
DFHCZ0203 • DFHCZ0207

TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0203 date time applid userid termid tranid program name The process name passed to the CONNECT_PROCESS method in module was invalid.

Explanation: The process name passed to the native method CONNECT_PROCESS was invalid.

System action: The system writes this message to the TD queue CCZM and ignores the invocation of CONNECT_PROCESS.

User response: Ensure that the process name is set correctly using the setProcess() method on the correct AttachInitiator Java object.

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0205 date time applid userid termid tranid program name An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0206 date time applid userid termid tranid program name An attempt to issue an ASSIGN ABCODE command in module has failed.

Explanation: Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN ABEND.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (Conversation.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0204 date time applid userid termid tranid program name JNI call 'GetFieldID() for DataHolder.value' in module failed.

Explanation: A JNI call, GetFieldID() for DataHolder.value, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (Conversation.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0207 date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed to find the class for CicsResponseConditionException.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCCondition.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM
**DFHCZ0208** date time applid userid termid tranid
program name JNI call 'GetFieldID()' in module failed.

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCondition.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

**DFHCZ0209** date time applid userid termid tranid
program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCondition.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

**DFHCZ0210** date time applid userid termid tranid
program name JNI call 'GetStringUTFChars(envp, fileName, NULL)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, fileName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCondition.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

**DFHCZ0211** date time applid userid termid tranid
program name A null filename has been passed to a native method in module.

Explanation: A null filename has been passed to a native method used by the JCICS Java class library.

System action: The system writes this message to the TD queue CCZM and ignores the request.

User response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

**DFHCZ0212** date time applid userid termid tranid
program name JNI call 'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

**DFHCZ0213** date time applid userid termid tranid
program name A null filename has been passed to a native method in module.

Explanation: A null filename has been passed to a native method used by the JCICS Java class library.

System action: The system writes this message to the TD queue CCZM and ignores the request.

User response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance.
from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0214**

date time applid userid termid tranid program name

JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

**Explanation:** A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and ignores the request.

**User response:** Ensure that the value specified on the relevant delete() method is valid.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0215**

date time applid userid termid tranid program name

An attempt in module to delete records from a KSDS has failed.

**Explanation:** An attempt to delete records from a KSDS in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.

**User response:** Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0218**

date time applid userid termid tranid program name

JNI call 'GetFieldID()' in module failed.

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0216**

date time applid userid termid tranid program name

A relative record number greater than 32767 has been specified on a DELETE command in module.

**Explanation:** A relative record number greater than 32766 has been passed to a Java native method used by the JCICS Java class library.

**System action:** The system writes this message to the TD queue CCZM and ignores the request.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM
DFHCZ0220  date time applid userid termid tranid
  program name  JNI call
  'GetStringUTFChars()' in module failed.

Explanation:  A JNI call, GetStringUTFChars(), in code
  written to support Java native methods used by the
  JCICS Java class library has failed.

System action:  The system writes this message to the
  TD queue CCZM and takes a system dump.

User response:  If the error condition persists, you will
  need assistance from IBM. See Part 4 of the CICS
  Problem Determination Guide for guidance on how to
  proceed.

Module:  DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time,applid, userid, termid,
  tranid, program name, module

Destination:  CCZM

DFHCZ0221  date time applid userid termid tranid
  program name  A null filename has been
  passed to a native method in module.

Explanation:  A null filename has been passed to a
  native method used by the JCICS Java class library.

System action:  The system writes this message to the
  TD queue CCZM, and ignores the request.

User response:  Ensure that a valid file name has been
  specified using the setName() method for each relevant
  file object.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module:  DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time,applid, userid, termid,
  tranid, program name, module

Destination:  CCZM

DFHCZ0222  date time applid userid termid tranid
  program name  JNI call
  'GetStringUTFChars()' in module failed.

Explanation:  A JNI call, GetStringUTFChars(), in code
  written to support Java native methods used by the
  JCICS Java class library has failed.

System action:  The system writes this message to the
  TD queue CCZM and takes a system dump.

User response:  If the error condition persists, you will
  need assistance from IBM. See Part 4 of the CICS
  Problem Determination Guide for guidance on how to
  proceed.

Module:  DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time,applid, userid, termid,
  tranid, program name, module

Destination:  CCZM

DFHCZ0223  date time applid userid termid tranid
  program name  A null filename has been
  passed to a native method in module.

Explanation:  A null filename has been passed to a
  native method used by the JCICS Java class library.

System action:  The system writes this message to the
  TD queue CCZM and ignores the request.

User response:  Ensure that a valid file name has been
  specified using the setName() method for each relevant
  file object.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module:  DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time,applid, userid, termid,
  tranid, program name, module

Destination:  CCZM

DFHCZ0224  date time applid userid termid tranid
  program name  JNI call
  'GetByteArrayElements()' in module
  failed.

Explanation:  A JNI call, GetByteArrayElements(), in code
  written to support Java native methods used by the
  JCICS Java class library has failed.

System action:  The system writes this message to the
  TD queue CCZM and takes a system dump.

User response:  If the error condition persists, you will
  need assistance from IBM. See Part 4 of the CICS
  Problem Determination Guide for guidance on how to
  proceed.

Module:  DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time,applid, userid, termid,
  tranid, program name, module

Destination:  CCZM

DFHCZ0225  date time applid userid termid tranid
  program name  A null key has been
  passed to a native method in module.

Explanation:  A null key has been passed to a Java
  native method used by the JCICS Java class library.

System action:  The system writes this message to the
  TD queue CCZM and ignores the request.

User response:  Ensure that all relevant reset() methods
  executed against KeyedFileBrowse objects specify a
  valid key.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.
Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0226  date time applid userid termid tranid
            program name JNI call
            'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0227  date time applid userid termid tranid
            program name A null filename has been passed to a native method in module.

Explanation: A null filename has been passed to a native method used by the JCICS Java class library.

System action: The system writes this message to the TD queue CCZM and ignores the request.

User response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0228  date time applid userid termid tranid
            program name JNI call
            'GetByteArrayElements()' in module failed.

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0230  date time applid userid termid tranid
            program name An attempt to allocate storage in module failed.

Explanation: An attempt to obtain storage, for use as a RIFLDL parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0231  date time applid userid termid tranid
            program name JNI call
            'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.
used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A null filename has been passed to a native method in module.

**System action:** The system writes this message to the TD queue CCZM and ignores the request.

**User response:** Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A JNI call, GetStringUTFChars(envp, TransId), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM
DFHCZ0237 • DFHCZ0242

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0238** date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

**Explanation:** A JNI call, FindClass() to find the class for EndOfProgramException, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0239** date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.

**Explanation:** A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0240** date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

**Explanation:** A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0241** date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.

**Explanation:** A JNI call, ThrowNew(), to throw a TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCProgram.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0242** date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

**Explanation:** A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.
User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

---

DFHCZ0243  date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.

Explanation: A JNI call, ThrowNew(), to throw TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

---

DFHCZ0244  date time applid userid termid tranid program name An attempt to issue an ASSIGN APPLID(...) SYSID(...) command in module has failed.

Explanation: Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN APPLID(...) SYSID(...).

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

---

DFHCZ0247  date time applid userid termid tranid program name A 'malloc' in module failed.

Explanation: A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM
DFHCZ0248 date time applid userid termid tranid

Explanation: A malloc in code written to support Java
native methods used by the JCICS Java class library has
failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: Increase the amount of heap storage
available to the application.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem
Determination
Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module

Destination: CCZM

DFHCZ0249 date time applid userid termid tranid

Explanation: A JNI call, FindClass(), for the named
class in code written to support Java native methods
used by the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, class name, module

Destination: CCZM

DFHCZ0250 date time applid userid termid tranid

Explanation: A JNI call, ThrowNew(), in code written
to support Java native methods used by the JCICS Java
class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module

Destination: CCZM

DFHCZ0253 date time applid userid termid tranid

Explanation: A JNI call, NewByteArray(), in code
written to support Java native methods used by the
JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCSupport.c)

DFJCZDTC

Container.c)

XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module

Destination: CCZM

DFHCZ0254 date time applid userid termid tranid

Explanation: A JNI call, FindClass(), in code written
to support Java native methods used by the JCICS Java
class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid,
tranid, program name, module

Destination: CCZM

DFHCZ0255 date time applid userid termid tranid

Explanation: A JNI call, ThrowNew(), in code written
to support Java native methods used by the JCICS Java
class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCSupport.c)
DFHCZ0256  \(\text{date, time, applid, userid, termid, tranid, program name, module}\)

**Destination:** CCZM

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

DFHCZ0259  \(\text{date, time, applid, userid, termid, tranid, program name, module}\)

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCFile.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

DFHCZ0260  \(\text{date, time, applid, userid, termid, tranid, program name, module}\)

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCsupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

DFHCZ0261  \(\text{date, time, applid, userid, termid, tranid, program name, module}\)

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0262  date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass(), to find com/ibm/cics/server/Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0265  date time applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), for setConvId(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0263  date time applid userid termid tranid program name An attempt to allocate storage in module failed.

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0266  date time applid userid termid tranid program name JNI call 'CallVoidMethod()' in module failed.

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0264  date time applid userid termid tranid program name JNI call 'CallVoidMethod()' in module failed.

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0267  date time applid userid termid tranid program name JNI call 'CallVoidMethod()' in module failed.

Explanation: A JNI call, CallVoidMethod(), for setState(), in code written to support Java native methods used by the JCICS Java class library has failed.
DFHCZ0268 • DFHCZ0272

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

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**Explanation:** A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

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**Explanation:** A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

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**Explanation:** A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM
**Explanation:** A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

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**Explanation:** A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**Explanation:** A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM
DFHCZ0279  date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0279  date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0280  date time applid userid termid tranid
program name JNI call 'NewObject()' in module failed.

Explanation: A JNI call, NewObject() for a ConversationPrincipalFacility object, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0280  date time applid userid termid tranid
program name JNI call 'NewObject()' in module failed.

Explanation: A JNI call, NewObject() for a ConversationPrincipalFacility object, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0281  date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0281  date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0282  date time applid userid termid tranid
program name JNI call 'FindClass0' in module failed.

Explanation: A JNI call, FindClass0() for com/ibm/cics/server/ConversationPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0282  date time applid userid termid tranid
program name JNI call 'FindClass0' in module failed.

Explanation: A JNI call, FindClass0() for com/ibm/cics/server/ConversationPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0283  date time applid userid termid tranid
program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass() to find the Conversation class, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0283  date time applid userid termid tranid
program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass() to find the Conversation class, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0284  date time applid userid termid tranid
program name JNI call 'GetMethodID0' in module failed.

Explanation: A JNI call, GetMethodID0(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0284  date time applid userid termid tranid
program name JNI call 'GetMethodID0' in module failed.

Explanation: A JNI call, GetMethodID0(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)
DFHCZ0285 • DFHCZ0290

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0285  date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJZCZDT (DTCsupport.c)

DFHCZ0286  date time applid userid termid tranid
program name JNI call 'NewObject()' in module failed.

Explanation: A JNI call, NewObject(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJZCZDT (DTCsupport.c)

DFHCZ0287  date time applid userid termid tranid
program name An attempt to allocate storage in module failed.

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJZCZDT (DTCsupport.c)

DFHCZ0288  date time applid userid termid tranid
program name An attempt to allocate storage in module failed.

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJZCZDT (DTCFile.c)

DFHCZ0289  date time applid userid termid tranid
program name An attempt to allocate storage in module failed.

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJZCZDT (DTCFile.c)
Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0291 date time applid userid termid tranid
program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0294 date time applid userid termid tranid
program name JNI call 'GetFieldID()' in module failed.

Explanation: A JNI call, GetFieldID() for taskNumber, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTask.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0295 date time applid userid termid tranid
program name JNI call 'GetObjectClass()' in module failed.

Explanation: A JNI call, GetObjectClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTask.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0296 date time applid userid termid tranid
program name JNI call 'GetFieldID()' in module failed.

Explanation: A JNI call, GetFieldID() for principalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.
DFHCZ0297 • DFHCZ0301

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTCC (DTCTask.c)

XMEOUT parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0297 date time applid userid termid tranid program name JNI call 'GetFieldID()' in module failed.

Explanation: A JNI call, GetFieldID(), for FCI, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTCC (DTCTask.c)

XMEOUT parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0298 date time applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.

Explanation: A JNI call, GetMethodID() for the TerminalPrincipalFacility constructor, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTCC (DTCTask.c)

XMEOUT parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0299 date time applid userid termid tranid program name JNI call 'NewObject()' in module failed.

Explanation: A JNI call, NewObject() for a TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTCC (DTCTask.c)

XMEOUT parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0300 date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass() for com/ibm/cics/server/TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTCC (DTCTask.c)

XMEOUT parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM
<table>
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<tr>
<th>DFHCZ0302</th>
<th>date time applid userid termid tranid program name JNI call 'GetFieldID0' in module failed.</th>
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<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
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<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTask.c)</td>
</tr>
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<td><strong>XMEOUT Parameters:</strong></td>
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<td><strong>Destination:</strong></td>
<td>CCZM</td>
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<th>date time applid userid termid tranid program name JNI call 'GetObjectClass0' in module failed.</th>
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<td><strong>Explanation:</strong></td>
<td>A JNI call, GetObjectClass() for com/ibm/cics/server/Task, in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTask.c)</td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time,applid, userid, termid, tranid, program name, module</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCZ0305</th>
<th>date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, abcde)' in module failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetStringUTFChars(envp, abcde), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTask.c)</td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time,applid, userid, termid, tranid, program name, module</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCZ0311</th>
<th>date time applid userid termid tranid program name JNI call 'GetFieldID0' in module failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTask.c)</td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time,applid, userid, termid, tranid, program name, module</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCZ0312</th>
<th>date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, queueName, NULL)' in module failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTDQ.c)</td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time,applid, userid, termid, tranid, program name, module</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHCZ0313</th>
<th>date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCTDQ.c)</td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time,applid, userid, termid, tranid, program name, module</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
</tr>
</tbody>
</table>
DFHCZ0314 • DFHCZ0324

Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0314  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, queueName, NULL) in module failed.'

Explanation: A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0317  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, SysId) in module failed.'

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0315  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, SysId) in module failed.'

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0324  date time applid userid termid tranid
program name JNI call
'GetByteArrayElements() in module failed.'

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0316  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, queueName, NULL) in module failed.'

Explanation: A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM
**Chapter 4. DFH messages - DFH01 to DFHM**

**DFHCZ0325**

**Explanation:**
A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response:**
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:**
date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0326**

**Explanation:**
A text array passed to the SEND_TEXT() method in code written to support Java native methods used by the JCICS Java class library was greater than 32767 bytes. The data has been truncated.

**System action:**
The system writes this message to the TD queue CCZM and sends the first 32767 bytes in the array.

**User response:**
Ensure that the length of text passed to the sendText() method does not exceed 32767.

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:**
date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0327**

**Explanation:**
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response:**
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:**
date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0328**

**Explanation:**
A JNI call, GetFieldID() for the TCTUAlength, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response:**
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:**
date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0329**

**Explanation:**
An attempt to allocate storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response:**
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:**
date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0330**

**Explanation:**
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response:**
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (DTCTerminal.c)
DFHCZ0331 • DFHCZ0336

Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0331  date time applid userid termid tranid
program name JNI call 'GetFieldID()' in
module failed.

Explanation: A JNI call, GetFieldID() for TERM CODE,
in code written to support Java native methods used by
the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCTerminal.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0332  date time applid userid termid tranid
program name JNI call 'FindClass()' in
module failed.

Explanation: A JNI call, FindClass(), for com/ibm/cics/server/TerminalPrincipalFacility, in code
written to support Java native methods used by the
JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCTerminal.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0333  date time applid userid termid tranid
program name An attempt to allocate
storage in module failed.

Explanation: An attempt to obtain storage in code
written to support Java native methods used by the
JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0334  date time applid userid termid tranid
program name JNI call 'GetFieldID()' in
module failed.

Explanation: A JNI call, GetFieldID() for TCUAP, in
code written to support Java native methods used by
the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCTerminal.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0335  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, SysId)' in
module failed.

Explanation: A JNI call, GetStringUTFChars(envp,
SysId), in code written to support Java native methods
used by the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFJCZDTC (DTCTSQ.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
Destination: CCZM

DFHCZ0336  date time applid userid termid tranid
program name An invalid value for item
number was passed to the READITEMO
method in module. The value passed was
item_no.

Explanation: An invalid value for item number was
passed to the readItem() method, in code written to
support Java native methods used by the JCICS Java
class library.
System action: The system writes this message to the TD queue CCZM and ignores the request.

User response: Ensure that the item number specified on the readItem() method of the appropriate TSQ Java object is in the range 0 - 32767.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module, item_no

Destination: CCZM

DFHCZ0337  date time applid userid termid tranid
program name TSQ name tsqname has
been truncated to 16 characters in the
SETNAME() method in module.

Explanation: The Temporary Storage queue identified in the message has been truncated to 16 characters.

System action: The system writes this message to the TD queue CCZM and continues with the request.

User response: Ensure all TS queue names used in JCICS applications are 16 characters or less in length.

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, tsqname, module

Destination: CCZM

DFHCZ0340  date time applid userid termid tranid
program name JNI call
'GetByteArrayElements()' in module
failed.

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0338  date time applid userid termid tranid
program name An invalid value for item
number was passed to the REWRITE()
method in module. The value passed was
item_no.

Explanation: An invalid value for item number was passed to the REWRITE() method, in code written to support Java native methods used by the JCICS Java class library.

System action: The system writes this message to the TD queue CCZM and ignores the request.

User response: Ensure that the item number specified on the REWRITE() method of the appropriate TSQ Java object is in the range 0 - 32767.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module, item_no

Destination: CCZM

DFHCZ0341  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0339  date time applid userid termid tranid
program name JNI call
'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)
DFHCZ0345 • DFHCZ0351

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0345 date time applid userid termid tranid program name JNI call 'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0347 date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0348 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, terminal)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, terminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0349 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0350 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(rTransaction)' in module failed.

Explanation: A JNI call, GetStringUTFChars(rTransaction), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the TD queue CCZM and takes a system dump.

User response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0351 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, rTerminal)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, rTerminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (StartRequest.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0352** date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

**Explanation:** A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (SynchronizationResource.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0353** date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

**Explanation:** A JNI call, GetByteArrayElements(envp, CommArea, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (WrapperNative.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0354** date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

**Explanation:** A JNI call, GetByteArrayElements(envp, CommArea, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (SynchronizationResource.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0355** date time applid userid termid tranid program name JNI call 'NewByteArray(envp, Length)' in module failed.

**Explanation:** A JNI call, NewByteArray(envp, Length), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCZDTC (WrapperNative.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0356** date time applid userid termid tranid program name non-CICS security manager of class className installed.

**Explanation:** The Environment constructor has been unable to install the CICS security manager because a non-CICS security manager of class className is installed.

**System action:** The system writes this message to the TD queue CCZM.

**User response:** The CICS security manager ensures, for example, that a Java program cannot issue the exit command. Check that the security manager you have installed is compatible with running a CICS java program.
DFHCZ0357 • DFHCZ0362

Module: DFJCICS
(com.ibm.cics.server.Environment.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, className

**Destination:** CCZM

DFHCZ0357 date time applid termid tranid program name Uncaught exception from application.

**Explanation:** The jcics Wrapper class has caught an InvocationTargetException. This occurs when the application throws, or doesn't catch, an exception. Details of the application exception are given in accompanying message DFHCZ0358.

**System action:** The system writes this message to the TD queue CCZM.

**User response:** Correct the problem and rerun the task.

Module: DFJCICS (com.ibm.cics.server.Wrapper.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name

**Destination:** CCZM

DFHCZ0358 date time applid termid tranid program name Exception exception occurred invoking main method in class className.

**Explanation:** The jcics Wrapper class caught exception trying to invoke the main method in class className.

**System action:** An exception trace entry is made and the task is abnormally terminated.

**User response:** Correct the problem and rerun the task.

Module: com.ibm.cics.server.Wrapper

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, exception, className

**Destination:** CCZM

DFHCZ0359 date time applid termid tranid program name Exception exception occurred creating object reference for class className.

**Explanation:** The _GenericFactoryImpl create_object method has caught exception issuing a Class.forName(className).newInstance() .

**System action:** A CORBA NoFactory exception is returned to the client and the task terminates normally.

**User response:** Correct the problem and reissue the request. For a ClassNotFoundException, check that a program with an appropriate package alias is in a PDSE available to CICS. If the program copy is refreshed to correct an error it may be necessary to perform a CEMT SET PROGRAM() NEWCOPY or PHASEIN command on any program in the system to refresh cache storage. If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJGFAC
(com.ibm.CosLifeCycle._GenericFactoryImpl.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, exception, className

**Destination:** CCZM

DFHCZ0360 date time applid termid tranid program name Class name className is invalid.

**Explanation:** The class name className is invalid. This is often caused by an erroneous leading '.' or '/' character.

**System action:** An exception trace entry is made and the task is abnormally terminated.

**User response:** Correct the problem and rerun the task.

Module: com.ibm.cics.server.Wrapper

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, className

**Destination:** CCZM

DFHCZ0361 date time applid The CICS Java Wrapper plugin plugin has thrown exception exception.

**Explanation:** The CICS JVM attempted to instantiate the requested plugin class plugin but the JVM could not find this class on the current classpath.

**System action:** The plugin is not loaded.

**User response:** Examine the value set for the classpath in the JVM profile being used from the XDFHENV data set. The pathname for the requested plugin must be present in the classpath.

Module: com.ibm.cics.server.Wrapper

**XMEOUT Parameters:** date, time, applid, plugin

**Destination:** CSMT

DFHCZ0362 date time applid The CICS Java Wrapper plugin plugin has thrown exception exception.

**Explanation:** The CICS JVM Java Wrapper class caught an exception thrown from plugin plugin.
**System action:** The JVM attempts to continue processing the user application.

**User response:** Either contact the plugin vendor for further assistance or catch the exception in the body of your plugin.

**Module:** com.ibm.cics.server.Wrapper

**XMEOUT Parameters:** date, time, applid, plugin, exception

**Destination:** CSMT

---

**DFHCZ0380**

`date time applid userid termid tranid program name` An attempt to allocate storage in module failed.

**Explanation:** An attempt to obtain storage, for use as a RIDFLD parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** libcom_ibm_cics_server_DTC.so

(Document.c) libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpRequest.c) libcom_ibm_cics_server_DTC.so
(TcpipInfo.c) libcom_ibm_cics_server_DTC.so
(TcpipRequest.c) libcom_ibm_cics_server_DTC.so
(Container.c) libcom_ibm_cics_server_DTC.so
(ContainerIterator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0381**

`date time applid userid termid tranid program name` JNI call 'GetByteArrayElements()' in module failed.

**Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** libcom_ibm_cics_server_DTC.so

(Document.c) libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpRequest.c) libcom_ibm_cics_server_DTC.so
(TcpipInfo.c) libcom_ibm_cics_server_DTC.so
(TcpipRequest.c) libcom_ibm_cics_server_DTC.so
(Container.c) libcom_ibm_cics_server_DTC.so
(ContainerIterator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0382**

`date time applid userid termid tranid program name` JNI call 'GetStringUTFChars()' in module failed.

**Explanation:** A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** libcom_ibm_cics_server_DTC.so

(Document.c) libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpResponse.c) libcom_ibm_cics_server_DTC.so
(Container.c) libcom_ibm_cics_server_DTC.so
(ContainerIterator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0383**

`date time applid userid termid tranid program name` JNI call 'NewObject()' in module failed.

**Explanation:** A JNI call, NewObject(), to construct a Conversation object, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** libcom_ibm_cics_server_DTC.so

(Document.c) libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpResponse.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM

---

**DFHCZ0384**

`date time applid userid termid tranid program name` JNI call 'GetMethodID()' in module failed.

**Explanation:** A JNI call, GetMethodID() for setState(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User response:** If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** libcom_ibm_cics_server_DTC.so

(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpResponse.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**Destination:** CCZM
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom_ibm_cics_server_DTC.so
(HttpResponse.c)

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0385  date time applid userid termid tranid
program name JNI call ‘FindClass0’ in
module failed.

Explanation: A JNI call, FindClass(), in code written to
support Java native methods used by the JCICS Java
class library has failed to find the class for
CicsResponseConditionException.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: libcom_ibm_cics_server_DTC.so
(DTCSupport.c) libcom.ibm.cics.server.DTC.so
(HttpResponse.c)

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0386  date time applid userid termid tranid
program name JNI call ‘GetFieldID0’ in
module failed.

Explanation: A JNI call, GetFieldID(), in code written to
support Java native methods used by the JCICS Java
class library has failed.

System action: The system writes this message to the
TD queue CCZM and takes a system dump.

User response: If the error condition persists, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: libcom_ibm_cics_server_DTC.so
(DTCSupport.c)

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, module

Destination: CCZM

DFHCZ0399  termid tranid date time
COM.IBM.CICS.SERVER.WRAPPER -
UNSATISFIEDLINKERROR LOADING
library.

Explanation: An UnsatisfiedLinkError occurred trying
to load the jcics native library
com.ibm.cics.server.DTC.

System action: An UnsatisfiedLinkError is thrown to
the caller. The task is terminated abnormally.

User response: If running in an ET/390 environment,
check that PROGRAM DFJCZDTC, with alias
libcom_ibm_cics_server_DTC.so, is in a PDSE available
to CICS. If running under the JVM, check that
libcom_ibm_cics_server_DTC.so is in the libpath
defined to CICS.

If the error condition persists, you will need assistance
from IBM. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Module: DFJCICS (com.ibm.cics.server.Wrapper.java)

Destination: SYSPRINT

DFHCZ0400  date time applid userid termid tranid
program name JVMSERVER thread was
canceled in module because the
JVMSERVER is disabling.

Explanation: The current JVMSERVER thread has
been canceled because the JVMSERVER is disabling.

System action: CICS writes this message to the TD
queue CCZM.

User response: No action

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: date, time,applid, userid, termid, tranid, program name, module

Destination: CCZM
### DFHDBnnnn messages

**DFHDB2001**  
**date time applid** CICS-DB2  
**resynchronization with db2id for unit of work X'uowid' cannot take place due to initial start of CICS.**

**Explanation:** CICS cannot resolve the disposition of unit of work (UOW) *uowid* that DB2 subsystem *db2id* holds from a previous connection because CICS was initial started. A CICS initial start should be avoided when resynchronization is outstanding. CICS cold, warm and emergency starts do not affect resynchronization, which occurs automatically when CICS and DB2 are connected.

**System action:** The CICS is connected to DB2 but UOW *uowid* will remain indoubt in DB2.

**User response:** The UOW *uowid* will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, db2id, X’uowid’

**Destination:** Console and Transient Data Queue CDB2

---

**DFHDB2003**  
**date time applid** The CICS-DB2 attachment facility is already active.

**Explanation:** The CICS-DB2 attachment is already active and enabled to CICS.

**System action:** The CICS-DB2 attachment facility initialization does not complete.

**User response:** Only one CICS-DB2 attachment facility may be active in a CICS region.

**Module:** DFHD2STR

**XMEOUT Parameters:** date, time, applid

**Destination:** CDB2 and Terminal End User

---

**DFHDB2004**  
**date time applid** No threads were found for plan *plan-name*

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or DISCONNECT command. No threads were found using the specified plan name *plan-name*. The *plan-name* may be blank if a specific plan was not requested.

**System action:** The CICS-DB2 attachment facility command is not processed.

**User response:** Reenter the command with the correct plan name.

**Module:** DFHD2CC

**Destination:** Terminal End User

---

**DFHDB2005**  
**date time applid** Transaction *tran* is not defined for CICS DB2.

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or MODIFY command. The transaction *tran* specified in the command was not defined as a CICS DB2 transaction. That is, there was no DB2TRAN defined for the transid, or the DB2TRAN referred to a DB2ENTRY that does not exist, or the case of the DISPLAY command, no threads were found for the transaction.

**System action:** The CICS-DB2 attachment facility command is not processed.

**User response:** Reenter the command with the correct transaction name.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2006**  
**date time applid** The dest destination ID is invalid.

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. The destination ID *dest* specified on the command to be modified is not one of the destinations currently defined in the DB2CONN as a message queue.

**System action:** The CICS-DB2 attachment facility command is not processed.

**User response:** Reenter the command with the correct destination ID.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2007**  
**date time applid** The command verb is missing or invalid.

**Explanation:** The CICS-DB2 attachment facility does not recognize the verb entered on the DSNC command.

**System action:** The command is not processed.

**User response:** Reenter the command with the correct syntax.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2008**  
**date time applid** Keyword missing or invalid.

**Explanation:** The CICS-DB2 attachment facility DSNC command contains an unknown positional keyword or a keyword is missing.
**DFHDB2009 • DFHDB2013**

**System action:** The command is not processed.

**User response:** Reenter the command with the correct syntax.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2009** *date time applid* The value in the command is invalid.

**Explanation:** The numeric value in the DSNC modify command is invalid. The error is caused by one of the following:
- The value in the command is greater than 2000.
- The value in the command is greater than the TCBLIMIT specified in the DB2CONN.
- If the pool is being changed - for example, using transaction id CEPL - the value is less than 3.

**System action:** The CICS-DB2 attachment facility command is not processed.

**User response:** Reenter the command with a correct value.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2010** *date time applid tranid* Transaction abended because DB2 thread tcb's are unavailable.

**Explanation:** The transaction was abnormally terminated because a DB2 thread TCB was not available on which to create a thread for the transaction.

**System action:** The transaction is abnormally terminated.

**User response:** Determine if more subtask TCBs should be made available to the CICS-DB2 connection by increasing the TCBLIMIT value of the DB2CONN. The TCBLIMIT value can be altered using a SET DB2ENTRY and SET DB2CONN commands.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, tranid

**Destination:** CDB2

---

**DFHDB2012** *date time applid* Stop quiesce of the CICS-DB2 attachment facility from DB2 subsystem *db2-id* is proceeding.

**Explanation:** A DSNC STOP command entered by the master terminal operator is being processed. CICS is disconnected from DB2 subsystem *db2-id*. When the disconnect is complete message DFHDB2025 is output to the terminal.

**System action:** New CICS transactions attempting to issue SQL commands is abended or receives a negative SQL reason code dependent on the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface are allowed to complete before the CICS-DB2 attachment facility is stopped.

**User response:** If the quiesce is not completed within an acceptable time period, a DSNC STOP FORCE command should be issued from another terminal.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2013** *date time applid* Display report follows for threads accessing DB2 *db2-id*

**Explanation:** A CICS-DB2 attachment display plan or display tran command was requested and the results follow this message. If not blank, *db2-id* is the name of the DB2 subsystem involved.

The following information is displayed for each thread

**DB2ENTRY**

- The name of the DB2ENTRY which contains the thread.
- The thread status
  
  **S** The thread status.
* The thread is active within a unit of work and is currently executing in DB2.

A The thread is active within a unit of work but is not currently executing in DB2.

I The thread is inactive. It is a protected thread waiting for new work.

PLAN The current plan name.

PRI-AUTH The DB2 primary authorization ID.

SEC-AUTH The DB2 secondary authorization ID.

CORRELATION The DB2 thread correlation ID. :lp.For active threads only

TRAN The CICS transaction ID.

TASK The CICS task number.

UOW-ID The CICS unit-of-work ID.

System action: Processing continues normally.

User response: None.

Module: DFHD2CC

XMEOUT Parameters: date, time, applid, db2-id

Destination: DB2 and Terminal End User

DFHDB2014 date time applid Statistics report follows for db2conn-name accessing DB2 db2-id

Explanation: A CICS-DB2 attachment facility statistics display was requested and follows this message. The name of the DB2CONN that is currently in use is db2conn-name and db2-id, if not blank, is the name of the DB2 subsystem involved.

The statistics displayed are those that have been accumulated after the expiry of the last statistics collection interval, end of day expiry, or requested reset. These statistics represent a subset of those available as CICS-DB2 Global and resource statistics collected via the CICS statistics spi commands.

The following information is displayed for each DB2ENTRY and for the command and pool sections of the DB2CONN

- DB2ENTRY
  The name of the DB2ENTRY or ‘COMMAND’ for the command section and ‘POOL’ for the pool section.

- PLAN
  DB2 Plan name

- CALLS
  Total number of SQL calls made

- AUTHS
  Total number of sign-on invocations for transactions associated with this entry. A sign-on does not indicate whether a new thread is created or an existing thread reused. If a thread is reused a sign-on may occur dependent on the ACCOUNTREC setting of the DB2ENTRY.

- W/P
  Number of times all available threads for this entry were busy and the transaction had to wait or the thread request was diverted to the POOL.

- HIGH
  Maximum number of concurrent threads required by transactions associated with this DB2ENTRY at any time since the last reset.

- ABORTS
  Total number of units of work that were rolled back.

- COMMITS
  One of the following two fields is incremented each time a DB2 transaction associated with this DB2ENTRY takes an explicit or implicit (end of task) syncpoint.

- 1-PHASE
  The total number of single-phase commits for transactions associated with this DB2ENTRY.

- 2-PHASE
  The total number of two-phase commits for transactions associated with this DB2ENTRY.

System action: Processing continues normally.

User response: None.

Module: DFHD2CC

XMEOUT Parameters: date, time, applid, db2conn-name, db2-id

Destination: DB2 and Terminal End User

DFHDB2015 date time applid The CICS-DB2 attachment facility is in standby for DB2 subsystem db2-id

Explanation: The CICS-DB2 attachment facility has dropped into standby mode because DB2 subsystem db2-id has stopped and STANDBYMODE=RECONNECT was specified in the DB2CONN.

System action: The CICS-DB2 attachment facility waits for the DB2 subsystem to become active again, at which time it automatically reconnects. While in standby mode, all SQL requests receive a negative SQLCODE or an AEY9 abend depending on whether CONNECTERROR=SQLCODE or CONNECTERROR=ABEND was specified in the DB2CONN.
**DFHDB2016** • **DFHDB2023**

**User response:** Notify the system programmer.

**Module:** DFHD2TM

**XMEOUT Parameters:** date, time, applid, db2-id

**Destination:** Console and Transient Data Queue CDB2

---

**DFHDB2016** date time applid The connection of CICS to DB2 [subsystem \ group] db2-id failed with reason X'reason-code'.

**Explanation:** The CICS-DB2 attachment facility startup cannot complete because an error occurred while connecting to DB2 sub-system or group db2-id. The response from DB2 was reason-code.

**System action:** The CICS-DB2 attachment facility initialization does not complete.

**User response:** Analyze the DB2 reason code given and any prior messages issued to the attachment error destination or CDB2 TS queues to determine the source of the error. Some possible causes include:

- incorrect DB2 subsystem or group specified
- the DB2 subsystem or group was not initialized during MVS IPL processing.
- Another CICS or IMS region has connected to the DB2 coordinator with the same name as the region issuing this message. For CICS the connection name is the same as the applid.

**Module:** DFHD2STR, DFHD2CM1

**XMEOUT Parameters:** date, time, applid, {1=subsystem, 2=group}, db2-id, X'reason-code'

**Destination:** CDB2

---

**DFHDB2018** date time applid DB2 [subsystem is not active. 1 group has no active members.]

**Explanation:** The CICS-DB2 attachment facility startup cannot complete because the db2-id group or subsystem is not active.

**System action:** The CICS-DB2 attachment facility stops.

**User response:** Restart the CICS-DB2 attachment facility after starting DB2.

**Module:** DFHD2STR, DFHD2CM1

**XMEOUT Parameters:** date, time, applid, {1=subsystem, 2=group}, db2-id, X'reason-code'

**Destination:** CDB2

---

**DFHDB2019** date time applid The modify command is complete.

**Explanation:** The DSNC MODIFY command completed successfully.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2020** date time applid The display command is complete.

**Explanation:** The DSNC DISPLAY command completed successfully.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHD2CC

**XMEOUT Parameters:** date, time, applid

**Destination:** CDB2 and Terminal End User

---

**DFHDB2021** date time applid The disconnect command is complete.

**Explanation:** The DSNC DISCONNECT command completed successfully.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHD2CC

**Destination:** Terminal End User

---

**DFHDB2022** date time applid Stop force of the CICS-DB2 attachment facility from db2-id is proceeding.

**Explanation:** A DSNC STOP FORCE command entered by the master terminal operator is being processed. CICS will be disconnected from DB2 subsystem db2-id. When the disconnect is complete, message DFHDB2025 is output to the terminal.

**System action:** New CICS transactions attempting to issue SQL commands are abended or receive a negative SQL reason code dependent upon the CONNECTERROR setting in the DB2CONN definition. Existing transactions using the CICS-DB2 interface will be force purged.

**User response:** None.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

**DFHDB2023** date time applid The CICS-DB2 attachment has connected to DB2 subsystem db2-id | group db2-group

**Explanation:** The CICS-DB2 attachment facility startup...
has successfully connected to DB2 subsystem db2-id
  group db2-group

System action: The CICS-DB2 attachment facility is active.

User response: If a group name does not appear then group attach is not active. You can suppress this message with the SIT parameter, MSGVLVL = 0.

Module: DFHD2STR, DFHD2CM1

XMEOUT Parameters: date, time,applid, db2-id, {1=, 2= group }, db2-group

Destination: Console and Transient Data Queue CDB2 and Terminal End User

DFHDB2024I  date time applid The CICS-DB2 attachment is in standby. For resync purposes only, connection has been made to DB2 restart-light subsystem db2-id | group db2-group

Explanation: The CICS-DB2 attachment facility startup has temporarily connected to DB2 subsystem db2-id group db2-group. The DB2 subsystem is running in restart-light mode and connection has been made purely to allow resynchronisation to take place.

System action: The CICS-DB2 attachment facility remains in standby for new work, but allows resynchronisation tasks to complete. The DB2 restart-light subsystem is terminated when resynchronisation is complete. If STANDBYMODE(RECONNECT) has been specified in the DB2CONN definition and when the DB2 restart-light subsystem is terminated, the CICS-DB2 attachment facility reverts to standbymode and connection to another active DB2 subsystem is made.

User response: If a group name does not appear, group attach is not active. You can suppress this message with the SIT parameter, MSGVLVL = 0.

Module: DFHD2STR, DFHD2CM1

XMEOUT Parameters: date, time,applid, db2-id, {1=, 2= group }, db2-group

Destination: Console and Transient Data Queue CDB2 and Terminal End User

DFHDB2028  date time applid The user is not authorised to issue DB2 commands via DSNC.

Explanation: DB2 rejected the command request during sign-on of the user. Therefore, the user is assumed not to be authorized for the requested function in the command.

System action: The command is rejected.

User response: Notify the system programmer.

Module: DFHD2CM1

Destination: Terminal End User

DFHDB2029  date time applid tranid DB2 command failed with IFCARC1=rct, IFCARC2=X'raison-code'

Explanation: The DB2 command submitted by transaction received IFI return code rc and reason code reason-code

System action: The command processing stops.

User response: Refer to the DB2 Messages and Codes for a description of the rc and reason-code.

Module: DFHD2CM1

XMEOUT Parameters: date, time,applid, tranid, rc, X'raison-code'

Destination: CDB2
DFHDB2031  date time applid  CICS-DB2 command is invalid. No DB2CONN is installed.

Explanation:  A DSNC command cannot be executed as there is no DB2CONN installed. For all DSNC commands (including the STRT command) a DB2CONN definition must be installed before issuing the command.

Likewise a CEMT or EXEC CICS SET DB2CONN CONNECTED command cannot be issued to startup the CICS-DB2 Attachment Facility if no DB2CONN definition is installed.

System action:  The command is rejected.

User response:  Install the necessary DB2CONN. The command can then be re-issued.

Module:  DFHD2CM1, DFHD2STR

XMEOUT Parameters:  date, time,applid

Destination:  CDB2 and Terminal End User

DFHDB2032  date time applid  Alternate destination display command complete.

Explanation:  The DSNC DISPLAY command to an alternate destination is complete. The output should be available at the requested destination.

System action:  Processing continues normally.

User response:  None.

Module:  DFHD2CC

XMEOUT Parameters:  date, time,applid

Destination:  CDB2 and Terminal End User

DFHDB2033  applid  Terminal termid is not supported by BMS or is invalid.

Explanation:  This message is issued in response to a CICS-DB2 attachment facility command, or DB2 command that requested an alternative destination for the response. CICS basic mapping support (BMS) encountered an error while routing to the requested terminal named termid.

System action:  Output from the command may be suppressed.

User response:  Ensure that the terminal ID was correctly entered. Otherwise notify the system programmer. This message may occur if the destination device is not supported by BMS, or is not defined to CICS.

Module:  DFHD2CC

XMEOUT Parameters:  applid, termid

Destination:  Console and Terminal End User

DFHDB2035  date time applid  Indoubt resolution for Unit of Work X‘uowid’ is incomplete for DB2 subsystem db2id

Explanation:  CICS indicates that recovery should not be required for uowid but DB2 subsystem db2id is indoubt.

System action:  The CICS is connected to DB2 but the UOW remains indoubt in DB2.

User response:  The indoubt UOW will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHD2EX1

XMEOUT Parameters:  date, time,applid, X‘uowid’, db2id

Destination:  Console and Transient Data Queue CDB2

DFHDB2037  date time applid  DB2 [subsystem |group] db2-id is not active. | has no active members. The CICS-DB2 attachment facility is waiting.

Explanation:  The CICS-DB2 attachment facility is waiting for notification from DB2. For a DB2 group no active sub-systems have been found. If a DB2 sub-system was specified then that sub-system is not active. The CICS-DB2 attachment facility completes initialization after either

- a sub-system belonging to the DB2 group
- the specific DB2 sub-system

has been started.

User response:  Notify the system programmer that a DB2 subsystem requires to be started according to the information supplied.

Module:  DFHD2STR,DFHD2CM1

XMEOUT Parameters:  date, time,applid, [1=subsystem, 2=group], db2-id, [1= is not active. , 2= has no active members.]

Destination:  Console and Transient Data Queue CDB2 and Terminal End User

DFHDB2038  date time applid  The command is invalid while waiting for db2id

Explanation:  The CICS-DB2 attachment facility cannot accept commands directed to DB2 while it is waiting for the DB2 subsystem to start. The name of the DB2 subsystem that is not yet operational is db2id.

System action:  The command is rejected.

User response:  Re-issue the command when DB2 has
been started and the attachment facility has connected to DB2.

Module: DFHD2CM1
Destination: Terminal End User

DFHDB2039 date time applid The error destinations are: dest1 dest2 dest3.
Explanation: This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command and lists the currently active message destinations known to the attachment facility. Null entries show as "****" and can be modified so they identify actual destinations.
System action: Processing continues.
User response: None.
Module: DFHD2CM1
Destination: Terminal End User

DFHDB2040 date time applid tranid Module modname could not be found.
Explanation: During CICS-DB2 attachment facility initialization, an attempt was made to locate and load the named module, but it was not found in any of the libraries accessible to MVS through the MVS LOAD macro.
System action: CICS-DB2 attachment facility initialization does not complete.
User response: Check the CICS JOBLIB/STEPLIB and ensure that the required DB2 library is defined there and contains the named module. Alternatively, ensure the required DB2 library is in the MVS linklist.
Module: DFHD2STR
XMEOUT Parameters: date, time,applid, tranid, modname
Destination: CDB2 and Terminal End User

DFHDB2041 date time applid No active threads found.
Explanation: A DSNC DISPLAY TRANSACTION or DSNC DISPLAY PLAN command was entered, but there were no active threads found. The CICS-DB2 attachment facility might have identified and signed on some subtasks, but a create thread was not issued for any of the subtasks. Likewise, threads may have been created previously on the subtasks but were subsequently terminated when there were no more DB2 requests to service.
System action: Processing continues normally.
User response: None.
Module: DFHD2CC
Destination: Terminal End User

DFHDB2042 date time applid Connection not authorized to db2-id
Explanation: The attempt to connect to the db2-id DB2 subsystem or group failed because the user was not authorized to access DB2. Authorization was denied by either RACF or a user-written connection exit.
System action: The CICS-DB2 attachment does not connect to DB2.
User response: The userid specified on the CICS job was not authorized to connect to the named DB2 subsystem or group. Refer to the DB2 Administration Guide for information on how to authorize a user to access DB2.
Module: DFHD2STR
XMEOUT Parameters: date, time,applid, db2-id
Destination: CDB2

DFHDB2043 date time applid Authorization parameters for resname have been corrupted.
Explanation: The CICS-DB2 attachment facility detected that the AUTHTYPE or AUTHID parameters for resname have been corrupted since it was last installed or updated by a SET command. Resname is the name of the DB2ENTRY involved, or it is set to 'POOL' or 'COMMAND' if it is the pool or command thread authorizations of the DB2CONN that are involved.
System action: The transaction is abnormally terminated.
User response: If it is a DB2ENTRY involved, the DB2ENTRY needs to be reinstalled, or the AUTHID or AUTHTYPE parameters need to be reset using a SET command to make the DB2ENTRY usable.
For pool or command thread authorizations, a SET DB2CONN command needs to be issued to reset the AUTHID or AUTHTYPE parameters, or the DB2CONN needs to be reinstalled. Note however that a DB2CONN cannot be re-installed without stopping the CICS-DB2 attachment facility first.
Module: DFHD2EX1
XMEOUT Parameters: date, time,applid, resname
Destination: CDB2

DFHDB2045 date time applid Resource Manager rmi-name is unknown to the CICS-DB2 Attachment facility.
Explanation: The CICS-DB2 Attachment facility received a request for a resource manager with entryname rmi-name. This resource name is not known by the CICS-DB2 attachment facility.
System action: The transaction is abnormally...
terminated with abend code AD21. A CICS system dump is taken.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, rmi-name
Destination: CDB2

Explanation: The CICS-DB2 attachment facility failed to connect because the DB2ID or DB2GROUPID id cannot be found.
System action: The CICS-DB2 attachment facility is inactive.
User response: None.

Module: DFHD2STR
XMEOUT Parameters: date, time, applid, {1=subsystem, 2=group}, id
Destination: Console and Transient Data Queue CDB2 and Terminal End User

Explanation: The CICS-DB2 attachment facility was unable to call its EDF processor DFHD2EDF or the CICS attachment facility was unable to decipher storage associated with an SQL statement for CICS transaction transid and task taskid. Either the SQL communications area (SQLCA) or the RDS input parameter list (RDI) storage could not be interpreted by the CICS-DB2 attachment facility.
System action: If the CICS attachment facility was unable to call its EDF processor DFHD2EDF and a transaction dump is taken with dump code AD29.
If DFHD2EDF was called but it was unable to decipher storage, a transaction dump of the storage in question is taken with dump code AD22.
User response: For an AD29 dump, analyze the trace in the CICS transaction dump to determine why the call to DFHD2EDF failed. For an AD22 dump, analyze the CICS transaction dump of the storage in question. In this situation the information supplied by the Execution Diagnostic Facility (EDF) of CICS for SQL statements consists of
  • The EDF status: ABOUT TO EXECUTE or COMMAND EXECUTION COMPLETE
  • The processing status: CALL TO RESOURCE MANAGER DSNCSQL
  • The ARG values associated with this call to the CICS-DB2 attachment facility

No other information is provided about the SQL statement.

Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, transid, taskid
Destination: CDB2

Explanation: A resolve indoubt request passed to DB2 from CICS for Unit of Work uowid' failed with reason code reason-code. The DB2 subsystem involved is db2id.
System action: The UOW remains indoubt in DB2 and CICS keeps hold of the UOW disposition. A CICS system dump is taken with dump code 00C30003.
User response: Use the reason code to determine why the resolve indoubt request failed.

Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, db2-id, X'uowid', X'reason-code'
Destination: Console and Transient Data Queue CDB2

Explanation: Dynamic plan exit program progname has abnormally terminated with abend code abcode.
System action: Normal transaction abend processing continues.
User response: See the description of abend code abcode for further guidance.
If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, transid, termid, abcode, progname
Destination: CDB2

Explanation: The CICS-DB2 attachment facility has failed to link to dynamic plan exit program progname because it is not link edited AMODE 31.
DFHDB2053 • DFHDB2061

**DFHDB2053**

*date time applid termid Abend abcode in DFHD2EX1 - Dynamic plan exit program progname is disabled.*

**Explanation:** The CICS-DB2 attachment facility has failed to link to dynamic plan exit program progname because it is disabled.

**System action:** Normal transaction abend processing continues.

**User response:** Enable the dynamic plan exit program.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time,applid, tranid, termid, abcode, progname

**Destination:** CDB2

**DFHDB2054**

*date time applid termid Abend abcode in DFHD2EX1 - Link to the dynamic plan exit progname failed.*

**Explanation:** An unexpected return code was returned from the link to the dynamic plan exit program progname by the CICS-DB2 attachment facility.

**System action:** Normal transaction abend processing continues.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time,applid, tranid, termid, abcode, progname

**Destination:** CDB2

**DFHDB2055**

*date time applid Single phase commit failed with reason code X’reason-code’ for transaction tranid task taskid*  

**Explanation:** CICS requested a single-phase commit from DB2, but DB2 was unable to comply. The request failed with DB2 reason code reason-code.

**System action:** The CICS-DB2 attachment facility abnormally terminates the transaction with abend code AD2W. CICS recovery manager will supersede the AD2W abend code with abend code ASPR.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time,applid, tranid, termid, abcode, progname

**Destination:** CDB2

**DFHDB2057**

*date time applid termid Abend abcode in DFHD2EX1 - resource definition for dynamic plan exit program progname was not found.*

**Explanation:** CICS was unable to find a resource definition for the dynamic plan exit program progname.

**System action:** Normal transaction abend processing continues.

**User response:** Ensure that the dynamic plan exit program progname has been correctly defined to CICS.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time,applid, tranid, termid, abcode, progname

**Destination:** CDB2

**DFHDB2058**

*date time applid termid Abend abcode in DFHD2EX1 - Fetch for dynamic plan exit program progname failed.*

**Explanation:** CICS was unable to load the dynamic plan exit program progname.

**System action:** Normal transaction abend processing continues.

**User response:** Ensure that the dynamic plan exit program progname has been correctly defined and is in a load library accessible to CICS.

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time,applid, tranid, termid, abcode, progname

**Destination:** CDB2

**DFHDB2061**

*date time applid The INITPARM specified for the CICS-DB2 attachment is invalid. The attachment facility cannot start.*

**Explanation:** The initparm for the CICS-DB2 attachment facility is not in the correct format. The format of the INITPARM should be

\[
\text{INITPARM}=(\text{DFHD2INI}='yyyy')
\]

where yyyy is a one to four character DB2 subsystem id.

**System action:** The CICS-DB2 attachment facility initialization does not complete.
DFHDB2063 • DFHDB2067

User response: Correct the INITPARM and restart the CICS region, or specify a DB2 subsystem id on a DSNC STRT command or in the DB2CONN. INITPARM is only used when the DB2CONN definition does not contain a DB2ID and a DB2ID is not specified on the startup command.

Module: DFHD2STR, DFHD2CM1
XMEOUT Parameters: date, time, applid
Destination: CDB2

DFHDB2063 date time applid Authorization failure starting the CICS-DB2 attachment with RESP=xxxx and RESP2=yyyy

Explanation: An authorization error occurred when starting the CICS-DB2 attachment. The SET DB2CONN CONNECTED responses for RESP (xxxx) and RESP2 (yyyy) indicate the specific error.

System action: The CICS-DB2 attachment initialization does not complete.

User response: Ensure that the DSNC transaction definition in group DFHDB2 is the installed definition.

Module: DFHD2CM1
XMEOUT Parameters: date, time, applid, xxxx, yyyy
Destination: CDB2

DFHDB2064 date time applid Resynchronization outstanding for subsystem db2id after DB2 Group Attach has connected to subsystem db2id2

Explanation: CICS indicates that resynchronization is outstanding for subsystem db2id after DB2 Group Attach has connected to subsystem db2id2.

System action: The CICS is connected to DB2 subsystem db2id2 but UOWs remain outstanding for DB2 subsystem db2id2.

User response: The DB2CONN definition either has RESYNCMEMBER(NO) specified, or RESYNCMEMBER(YES) is specified but CICS detected that all the UOWs outstanding are shunted indoubt meaning that resynchronization with DB2 cannot take place immediately. Both these situations allow group attach to proceed, and the result is CICS has connected to a different DB2 subsystem than previously. The user must manually reconnect to the original DB2 subsystem which automatically resynchronizes the outstanding (non shunted) units of work. Shunted units of work wait to be unshunted at which point resynchronization takes place if CICS is connected to the original DB2 subsystem.

Module: DFHD2STR
XMEOUT Parameters: date, time, applid, db2id, db2id2
Destination: Console and Transient Data Queue CDB2

DFHDB2065 INVALID LENGTH. DATA NOT DISPLAYABLE.

Explanation: The module running under the CICS Execution Diagnostic Facility (EDF) attempted to display an input or output variable that had an incorrect length indicator.

System action: EDF processing continues, but the value of the variable is not displayed.

User response: Examine the SQL statement in the application program.

Module: DFHD2EDF
Destination: Terminal End User

DFHDB2066 date time applid tranid termid Abend abcode in DFHD2EX1 - resource definition for dynamic plan exit program progname defines the program as remote.

Explanation: The resource definition for the dynamic plan exit program progname defines the program as remote. The dynamic plan exit program must be local to this CICS system.

System action: Normal transaction abend processing continues.

User response: Correct the PROGRAM resource definition to define the program as local.

Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, tranid, termid, abcode, progname
Destination: CDB2

DFHDB2067 date time applid The CICS-DB2 attachment facility is already inactive.

Explanation: A DSNC STOP command or an EXEC CICS SET DB2CONN NOTCONNECTED command was issued when the CICS-DB2 interface was already inactive.

System action: The CICS-DB2 attachment facility stop processing is ended.

User response: If this was unexpected, examine earlier messages to determine why the CICS-DB2 attachment facility is inactive.

Module: DFHD2STP
XMEOUT Parameters: date, time, applid
Destination: CDB2 and Terminal End User
DFHDB2068  `applid` Send text command to terminal `termid` failed with `eibresp` `X'eibresp'`.

**Explanation:** While processing a DSNC command, an EXEC CICS SEND TEXT command to terminal `termid` failed with EIBRESP `eibresp`.

**System action:** Processing of the command terminates.

**User response:** Examine the `eibresp` value `eibresp` to determine why the SEND TEXT command failed.

**Module:** DFHD2CC

**XMEOUT Parameters:** `applid`, `termid`, `X'eibresp'`

**Destination:** Console and Terminal End User

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DFHDB2069  `applid` Send page command to terminal `termid` failed with `eibresp` `X'eibresp'`.

**Explanation:** While processing a DSNC command, an EXEC CICS SEND PAGE command to terminal `termid` failed with EIBRESP `eibresp`.

**System action:** Processing of the command terminates.

**User response:** Examine the `eibresp` value `eibresp` to determine why the SEND PAGE command failed.

**Module:** DFHD2CC

**XMEOUT Parameters:** `applid`, `termid`, `X'eibresp'`

**Destination:** Console and Terminal End User

---

DFHDB2070  `date` `time` `applid` Syncpoint rollback failed for transaction `transid` with `eibresp2` `X'eibresp2'`.

**Explanation:** DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for transaction `transid` because DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed with EIBRESP2 set to `eibresp2`.

**System action:** The transaction is abnormally terminated with abend code AD2Z.

**User response:** Examine the `eibresp2` value `eibresp2` to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints or syncpoint rollbacks cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

**Module:** DFHD2EX1

**XMEOUT Parameters:** `date`, `time`, `applid`, `transid`, `tasknum`, `X'eibresp2'`

**Destination:** CDB2

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DFHDB2071  `date` `time` `applid` The first error destination cannot be null.

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. An attempt was made to nullify the first error destination by setting it to ‘**’.

**System action:** The CICS-DB2 attachment facility command is not processed.

**User response:** Re-enter the command with a correct destination ID.

**Module:** DFHD2CM1

**Destination:** Terminal End User

---

DFHDB2072  `date` `time` `applid` Transaction `transid` has been directed to the pool as DB2ENTRY `db2ename` is disabled.

**Explanation:** Transaction `transid` is associated with DB2ENTRY `db2ename`. However DB2ENTRY `db2ename` is disabled or disabling and the DISABLEDACT keyword on the DB2ENTRY specifies that new work should be directed to the pool.

**System action:** The transaction will use a DB2 thread from the pool.

This message is output for each task that attempts to use the disabled DB2ENTRY.

**User response:** Determine why the DB2ENTRY has been disabled. If appropriate re-enable the DB2ENTRY.

**Module:** DFHD2EX1

**XMEOUT Parameters:** `date`, `time`, `applid`, `transid`, `tasknum`, `db2ename`

**Destination:** CDB2

---

DFHDB2073  `date` `time` `applid` Transaction `transid` has been directed to the pool as DB2TRAN `db2tname` refers to DB2ENTRY `db2ename` which is not installed.

**Explanation:** Transaction `transid` is associated with DB2TRAN `db2tname` which is turn refers to DB2ENTRY `db2ename`. However DB2ENTRY `db2ename` is not installed in the CICS system. The DB2TRAN `db2tname` is an ‘orphan’ in that it refers to a DB2ENTRY that does not exist. A DB2TRAN cannot be installed unless its associated DB2ENTRY has been installed first. Hence either the DB2ENTRY has subsequently been discarded or the DB2TRAN modified by a SET command to refer to a non existent DB2ENTRY.

**System action:** The transaction will use a DB2 thread from the pool.

**Module:** DFHD2EX1

**XMEOUT Parameters:** `date`, `time`, `applid`, `transid`, `tasknum`, `db2ename`

**Destination:** CDB2
DFHDB2074 • DFHDB2103

This message is output only when an attempt is made to locate a DB2ENTRY for the transaction. Having decided to use the pool, the CICS-DB2 attachment facility will use the pool for all subsequent transactions of the same name without locating the DB2ENTRY each time. When any DB2TRAN or DB2ENTRY is installed or modified will this force a relocate of the DB2ENTRY next time the transaction is run.

User response: Determine why the DB2ENTRY is not installed. If appropriate re-install the DB2ENTRY.

Module: DFHD2EX1
XMEOUT Parameters: date, time,applid, transid, db2trans, db2entry
Destination: CDB2

DFHDB2074  date time applid CICS-DB2 Attachment facility startup cannot proceed as the currently installed DB2CONN is not useable.

Explanation: The CICS-DB2 Attachment facility detected that the currently installed DB2CONN is marked for discard. This implies that a previous discard of the DB2CONN did not complete successfully. A discard of a DB2CONN involves CICS discarding all DB2TRANS and DB2ENTRYs first before discarding the DB2CONN. The discard request failed before finally deleting the DB2CONN.

System action: Startup of the CICS-DB2 interface does not complete.

User response: Re-issue the discard for the DB2CONN. When it has been successfully discarded, re-install the required DB2CONN, DB2ENTRYs and DB2TRANS and then retry the startup of the CICS-DB2 interface.

Module: DFHD2STR
XMEOUT Parameters: date, time,applid
Destination: CDB2 and Terminal End User

DFHDB2100  applid Program DFHD2RP cannot be found.

Explanation: CICS cannot link to the CICS/DB2 restart program (DFHD2RP). CICS cannot find DFHD2RP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action: CICS initialization terminates with message DFHSI1521 and a dump is taken.

User response: To correct this error, place DFHD2RP in a partitioned data set in the DFHRPL DD statement.

Module: DFHD2IN2
XMEOUT Parameter: applid

DFHDB2101  date time applid terminal userid tranid DB2CONN db2conn-name has been added.

Explanation: This is an audit log message indicating that DB2CONN db2conn-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

There can be only one DB2CONN installed in the CICS system at a time.

System action: The system continues normally.

User response: None.

Module: DFHD2TM
XMEOUT Parameters: date, time,applid, terminal, userid, tranid, db2conn-name
Destination: CDB2

DFHDB2102  date time applid terminal userid tranid DB2CONN db2conn-name has been replaced.

Explanation: This is an audit log message indicating that DB2CONN db2conn-name has been replaced using the INSTALL command or EXEC CICS CREATE. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action: The system continues normally.

User response: None.

Module: DFHD2TM
XMEOUT Parameters: date, time,applid, terminal, userid, tranid, db2conn-name
Destination: CDB2

DFHDB2103  date time applid terminal userid tranid DB2CONN db2conn-name has been deleted.

Explanation: This is an audit log message indicating that DB2CONN db2conn-name has been deleted from
The CICS system using the DISCARD command. Where
- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

This message will have been preceded by messages indicating the deletion of any currently installed DB2ENTRYs and DB2TRANs which by definition are always associated with the currently installed DB2CONN.

System action: The system continues normally.

User response: None.

Module: DFHD2TM

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, db2entry-name

Destination: CDB2

---

DFHDB2104  date time applid terminal userid tranid
DB2ENTRY db2entry-name has been added.

Explanation: This is an audit log message indicating that DB2ENTRY db2entry-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where
- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System action: The system continues normally.

User response: None.

Module: DFHD2TM

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, db2entry-name

Destination: CDB2

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DFHDB2105  date time applid terminal userid tranid
DB2ENTRY db2entry-name has been replaced.

Explanation: This is an audit log message indicating that DB2ENTRY db2entry-name has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where
- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System action: The system continues normally.

User response: None.

Module: DFHD2TM
**DFHDB2108 • DFHDB2211I**

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2tran-name  
**Destination:** CDB2

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**DFHDB2108**  
**date** **time** **applid** **terminal** **userid** **tranid**  
**DB2TRAN*db2tran-name has been replaced.**

**Explanation:** This is an audit log message indicating that DB2TRAN db2tran-name has been replaced using the INSTALL command or EXEC CICS CREATE. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action:** The system continues normally.  
**User response:** None.  
**Module:** DFHD2TM  
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2tran-name  
**Destination:** CDB2

---

**DFHDB2109**  
**date** **time** **applid** **terminal** **userid** **tranid**  
**DB2TRAN*db2tran-name has been deleted.**

**Explanation:** This is an audit log message indicating that DB2TRAN db2tran-name has been deleted from the CICS system using the DISCARD command. Where

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action:** The system continues normally.  
**User response:** None.  
**Module:** DFHD2TM  
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2tran-name  
**Destination:** CDB2

---

**DFHDB2207**  
**date** **time** **applid** **Load error rc abend-code**  
**for module modname**

**Explanation:** Error rc with abend-code occurred when the CICS-DB2 attachment facility initialization attempted to use the MVS LOAD macro to load module modname.

**System action:** The CICS-DB2 attachment initialization does not complete.  
**User response:** Resolve the problem indicated by the LOAD return code and abend code.  
**Module:** DFHD2CM1  
**Destination:** Terminal End User

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**DFHDB2208**  
**date** **time** **applid**  
**Delete error rc for module modname**

**Explanation:** Error rc occurred when the CICS-DB2 attachment facility attempted to use the MVS DELETE macro to delete module modname during shutdown of the CICS-DB2 interface.

**System action:** The CICS-DB2 attachment shutdown continues.  
**User response:** Resolve the problem indicated by the DELETE return code.  
**Module:** DFHD2STR  
**XMEOUT Parameters:** date, time, applid, rc, abend-code, modname  
**Destination:** CDB2

---

**DFHDB2210**  
**date** **time** **applid**  
**DB2 subsystem id db2-id contains invalid characters. The CICS-DB2 Attachment facility is not started.**

**Explanation:** The CICS-DB2 attachment facility startup cannot complete because the db2-id subsystem id specified on the DSNC STRT command contains invalid characters.

**System action:** The CICS-DB2 attachment facility does not start.  
**User response:** Correct the DB2 subsystem id and retry the DSNC STRT command.  
**Module:** DFHD2CM1  
**Destination:** Terminal End User

---

**DFHDB2211**  
**date** **time** **applid**  
**Maxopentcbs setting of xxx in the SIT conflicts with the tcblimit setting of yyy in the DB2CONN definition.**

**Explanation:** The CICS-DB2 Attachment Facility detected that CICS is connected to DB2 Version 6 or later and that the setting of MAXOPENTCBS in the SIT is lower than the TCBLIMIT setting in the DB2CONN definition.

When CICS is connected to DB2 Version 6 or later, the CICS-DB2 Attachment Facility uses CICS open TCBs to access DB2 rather than privately managed subtask
TCBs. The MAXOPENTCBS SIT parameter defines the maximum number of open TCBs allowed in the CICS system for use by all openapi enabled task related user exits. The TCBLIMIT parameter on the DB2CONN definition defines how many of the open TCBs can be used for DB2, that is, a subset of MAXOPENTCBS for use with DB2.

System action:  Startup of the CICS-DB2 attachment continues.

User response: Review the setting of MAXOPENTCBS to ensure there are enough TCBs to process your DB2 workload. The MAXOPENTCBS parameter can be changed online via the SET DISPATCHER command.

You can suppress this message with the SIT parameter, MSGLV = 0.

Module: DFHD2STR
XMEOUT Parameters: date, time,applid, xxx, yyy
Destination: Console and Transient Data Queue CDB2

DFHDB2212  The DB2 subsystem ID db2id specified for the CICS-DB2 attachment cannot be found. The attachment facility cannot start.

Explanation:  The CICS-DB2 attachment facility startup cannot complete because the db2id subsystem ID specified on the DSNC STRT command cannot be found.

System action:  The CICS-DB2 attachment facility does not start.

User response:  Correct the DB2 subsystem ID and retry the DSNC STRT command.

Module: DFHD2CM1

DFHDB2300  date time applid tranid DB2 command output truncated (ifcabnm bytes not shown).

Explanation:  ifcabnm bytes of a DB2 command response could not be shown.

System action:  The command processing completes, but the output is truncated.

User response:  If you need complete command output, modify the command to reduce the amount of output. For example, specify specific databases rather than an asterisk on a DISPLAY DATABASE(***).

Module: DFHD2CM1
XMEOUT Parameters: date, time,applid, tranid, ifcabnm
Destination: CDB2

DFHDB8103E  date timeapplid IDENTIFY request to DBCTL xxxx has failed. MVS SSI return code rc, reason code reason.

Explanation:  CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL is not currently executing. The return code from MVS SSI, reported in PAPLRETC, is rc. The reason code from MVS SSI, reported in PAPLRCOD, is reason. The return and reason codes reported in PAPLRETC and PAPLRCOD are explained in the IMS Messages and Codes.

System action:  CICS attempts to connect to DBCTL at 5 second intervals, issuing this message at each attempt, and message DFHDB8297 at 1 minute intervals, until either
1. Disconnection is requested via the CICS supplied DBCTL support menu transaction, CDBC.
2. 10 minutes have elapsed, after which time CICS stops attempting to connect and IMS message DFS0690 is issued, requesting the operator to type in WAIT (retry the connection attempt) or CANCEL (abandon the connection attempt).

Refer to the explanation of DFHDB8297 for more information. Refer to the IMS Messages and Codes for further information on message DFS0690.

User response: Check why DBCTL is not running. You can cancel the connection attempts by using the CDBC transaction to issue a disconnect request. If message DFH0690 has been issued you should reply to this.

Module: DFHDBCT
XMEOUT Parameters: date, time, applid, xxxx, rc, reason
Destination: CDBC

DFHDB8104E  date time applid IDENTIFY request to DBCTL xxxx has been rejected by DBCTL, System abend code | IMS user abend code | DBCTL return code | rc.

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL has rejected the identify request.

System action: The attempt to connect to DBCTL is abandoned and the storage associated with the CICS-DBCTL interface is cleaned up. Message DFHDB8102 is output.

User response: For further information about the nonzero response code, if rc is
- A system abend code, refer to the z/OS MVS System Codes
- An IMS user abend code, refer to the IMS Messages and Codes
- A DBCTL return code, refer to the IMS Messages and Codes

Module: DFHDBCT
XMEOUT Parameters: date, time, applid, xxxx, {1=System abend code , 2=IMS user abend code , 3=DBCTL return code }, rc
Destination: CDBC

DFHDB8105W  date time applid Operator has requested cancellation of the connection to DBCTL.

Explanation: DBCTL notifies CICS that the operator has replied 'CANCEL' to IMS message DFS0690. Refer to the IMS Messages and Codes for information on IMS message DFS0690.

System action: CICS cleans up the storage associated with the CICS-DBCTL interface and issues message DFHDB8102.

User response: None. This message is for information only.

Module: DFHDBCT
XMEOUT Parameters: date, time, applid
Destination: CDBC

DFHDB8106E  date time applid The DRA has abnormally terminated. CICS is no longer connected to DBCTL id xxxx.

Explanation: DBCTL has notified CICS that the database resource adapter (DRA) is abnormally terminating.

System action: CICS cleans up the storage associated with the CICS-DBCTL interface and disconnects from DBCTL. CICS then issues message DFHDB8102.

User response: See the CICS IMS Database Control Guide for information about problem determination. If you wish to reconnect CICS to DBCTL, use the menu transaction CDBC.

Module: DFHDBCT
XMEOUT Parameters: date, time,applid, xxxx
Destination: CDBC

DFHDB8107E  date time applid DBCTL xxxx has abnormally terminated. Will attempt to reconnect.

Explanation: DBCTL notifies CICS it is about to terminate.

System action: CICS will attempt to reconnect to DBCTL.

User response: Notify the system programmer.

Look for messages output by the DBCTL system and determine why DBCTL failed. Restart DBCTL if required.

Module: DFHDBCT
XMEOUT Parameters: date, time,applid, xxxx
Destination: CDBC

DFHDB8108I  date time applid DBCTL xxxx has received a CHECKPOINT FREEZE command. CICS will disconnect from DBCTL.

Explanation: DBCTL notifies CICS that it is about terminate because a CHECKPOINT FREEZE command has been issued.

System action: CICS will clean up the storage associated with the CICS-DBCTL interface and will
then output message DFHDB8102.
User response: None.
Module: DFHDBCT
XMEOUT Parameters: date, time, applid, xxxx
Destination: CDBC

DFHDB8109E date time applid Request to DL/I failed for transaction tranid, task taskid, recovery token X'nn', system abend code , IMS user abend code , DBCTL return code rc, DBCTL id xxxx.

Explanation: DBCTL xxxx returns a nonzero response code rc when a DL/I request has been issued from an application program.
System action: The CICS transaction may be abnormally terminated.
User response: If the CICS transaction is abnormally terminated, refer to the accompanying CICS transaction abend code.

For further information about the nonzero response code, if rc is
• A system abend code, refer to the z/OS MVS System Codes manual
• An IMS user abend code, refer to the IMS Messages and Codes
• A DBCTL return code, refer to the IMS Messages and Codes

For further information about the unit of recovery, refer to the CICS IMS Database Control Guide.

Module: DFHDLIDP
XMEOUT Parameters: date, time, applid, rc, request
Destination: CDBC

DFHDB8110E date time applid Non zero return code from DFHDBAT. Return code rc for request request.

Explanation: The module DFHDBAT, which is a task related user exit forming part of the CICS-DBCTL interface, returns a nonzero return code in reply to a request issued from CICS to DBCTL.
System action: The request to DBCTL fails.

Three types of request to DBCTL can fail in this way
1. A request to connect to DBCTL from module DFHDBCON
2. A request to disconnect from DBCTL from module DFHDBDSC
3. A DL/I request from an application program via module DFHDLIDP

Message DFHME0116 should be produced containing the symptom string for this problem.
User response: The return code is one of the following

4 — CALL NOT UNDERSTOOD
This can be returned when attempting to connect, disconnect or issue DL/I requests to DBCTL. The most likely cause is a storage overwrite. If CICS detects a storage overwrite, a dump is taken.

8 — REDUNDANT INTERFACE CALL
This can be returned when attempting to connect or disconnect from DBCTL. The request is ignored.

16 — DISCONNECT PRE-EMPTED
This can be returned when attempting to disconnect from DBCTL while a disconnection request is already being processed.

24 — ADAPTER NOT READY
A request has been made to the adaptor DFHDBAT but CICS is still in the process of connecting to DBCTL.

28 — ADAPTER IS DISABLED
This indicates that the CICS-DBCTL interface is not available. The DBCTL interface terminates normally after any inflight tasks accessing DBCTL complete the unit of work. Subsequently any new unit of work or ATI task can receive this return code because of a PCB schedule failure.

Module: DFHDBCON, DFHDBDSC, DFHDLIDP
XMEOUT Parameters: date, time, applid, rc

DFHDB81111E date time applid Connection has failed. DBCTL return code rc.

Explanation: DBCTL returns a nonzero response code when CICS is attempting to connect to it.
System action: The connection attempt is abandoned.
User response: Notify the system programmer.
For further information about the DBCTL return code, refer to the IMS Messages and Codes.

Module: DFHDBCON
XMEOUT Parameters: date, time, applid, rc
Destination: CDBC

DFHDB8112E date time applid Unable to generate Task Token due to purge request.

Explanation: The module, DFHDBTOX, was invoked
• To set up a task token, or
• To GETMAIN some storage.
The GETMAIN failed.

**System action:** Processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the [CICS Problem Determination Guide](https://www.ibm.com) for guidance on dealing with storage problems.

**Module:** DFHDBTOX

**XMEOUT Parameters:** date, time, applid

**Destination:** CDBC

---

**DFHDB8113E** date time applid Getmain failure for storage to hold the indoubt list. Resync has not taken place.

**Explanation:** Connection to DBCTL has been completed, but there are some in-doubts outstanding. The GETMAIN to store the in-doubts has failed.

**System action:** CICS remains connected to DBCTL but the in-doubts are not resolved.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the [CICS Problem Determination Guide](https://www.ibm.com) for guidance on dealing with storage problems.

**Module:** DFHDBCT

**XMEOUT Parameters:** date, time, applid

**Destination:** CDBC

---

**DFHDB8114E** date time applid Connection has failed. DRA startup table with suffix xx cannot be found.

**Explanation:** An attempt has been made to connect CICS to DBCTL but the DRA Startup Table with the suffix xx cannot be found.

**System action:** The connection attempt is abandoned.

**User response:** If you were using the DBCTL Support Menu transaction, CDBC, check to see if you have mistyped the suffix value.

If you have not mistyped the suffix value then notify the system programmer.

Place the DRA Startup Table in a CICS STEPLIB library. For further guidance on how to do this, see the CICS IMS Database Control Guide.

**Module:** DFHDBCON

**XMEOUT Parameters:** date, time, applid, xx

**Destination:** CDBC

---

**DFHDB8115E** date time applid Connection has failed. Module DFSPRRC0 cannot be found.

**Explanation:** An attempt has been made to connect CICS to DBCTL but the DRA Router module, DFSPRRC0, cannot be found.

**System action:** The connection attempt is abandoned.

**User response:** Place the module DFSPRRC0 in a CICS STEPLIB library. For further guidance on how to do this, refer to the [CICS IMS Database Control Guide](https://www.ibm.com).

**Module:** DFHDBCON

**XMEOUT Parameters:** date, time, applid

**Destination:** CDBC

---

**DFHDB8116I** date time applid Connection to DBCTL xxxx is proceeding. Startup Table Suffix used is xx.

**Explanation:** The first phase of connecting CICS to DBCTL has been completed.

**System action:** CICS connection to DBCTL proceeds.

**User response:** None.

**Module:** DFHDBCON

**XMEOUT Parameters:** date, time, applid, xxxx, xx

**Destination:** CDBC

---

**DFHDB8117W** date time applid No connection to DBCTL made although the connection program is in the PLT.

**Explanation:** The connection program, DFHDBCON, has been placed in the program list table (PLT) but CICS was not connected when CICS last shut down.

**System action:** CICS will not connect to DBCTL.

**User response:** This is a warning message. In this case, if you wish to connect CICS to DBCTL then use the DBCTL Support Menu transaction, CDBC.

**Module:** DFHDBCON

**XMEOUT Parameters:** date, time, applid

**Destination:** CDBC

---

**DFHDB8118E** date time applid Connection to DBCTL xxxx has been rejected by CICS. Reason code rc.

**Explanation:** CICS has rejected the connection attempt to DBCTL for reason rc. The value in the reason code
field is 4. This indicates an invalid IMS/ESA release for storage protection. That is, CICS storage protection was active, and an attempt was made to connect to a DBCTL system running a release of IMS/ESA that does not support the storage protection function.

**System action:** On completion of phase 2 connection processing, CICS indicates to the database resource adapter (DRA), in the control exit, that the DRA should terminate. CICS then completes cleanup of the CICS-DBCTL interface. The status of the interface is that CICS is not connected to DBCTL.

**User response:** Connection to this DBCTL system is only possible if CICS is run with storage protection turned off. To run with storage protection on, install a release of IMS/ESA that supports the storage protection function.

**Module:** DFHDBCT

**XMEOUT Parameters:** date, time, applid, xxxx, rc

**Destination:** CDBC

---

Rather than the IMS region failing, if the bad response to single-phase commit was caused by an individual thread failure and the LUW has been committed, then IMS outputs a DFSxxxx message for just this LUW.

For further information on IMS message DFSxxxx, refer to the **IMS Messages and Codes**

For further information about the nonzero response code, if rc is

- A **system abend code**, refer to the z/OS MVS System Codes
- An **IMS user abend code**, refer to the IMS Messages and Codes
- A **DBCTL return code**, refer to the IMS Messages and Codes

**Module:** DFHDBAT

**XMEOUT Parameters:** date, time, applid, X’rectok’, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE}, rc

**Destination:** CDBC

---

**DFHDB8119I** date time applid CICS is INDOUBT about the LUW with recovery token X’rectok’ after issuing a single phase commit request to DBCTL. (SYSTEM ABEND CODE | IMS USER ABEND | DBCTL RETURN CODE) rc.

**Explanation:** CICS was attempting to syncpoint updates made to IMS databases via DBCTL for the logical unit of work (LUW) identified by unit of recovery X’rectok. CICS has detected that updates were made to only one resource manager, DBCTL, in this LUW, and hence has issued a single-phase commit to DBCTL, in place of the normal two-phase commit process. An unexpected response to the single-phase commit has been received from DBCTL, and so CICS is INDOUBT about this LUW. CICS is unable to report whether the updates made via DBCTL have been committed or backed out. No local CICS resources are affected.

**System action:** The transaction terminates abnormally with abend code ADCS and a transaction dump. CICS processing continues.

**User response:** The unit of recovery X’rectok output with this message can be used in conjunction with IMS message DFSxxxx output on the IMS console to determine the outcome of the LUW.

If the IMS region has failed, on restart of the IMS region, IMS will output DFSxxxx messages for each LUW that has committed using the single-phase commit protocol. The DFSxxxx message contains the same X’rectok recovery token as output in this message. While matching up the recovery tokens, if a DFSxxxx message is found with the same recovery token, then the LUW was committed. Failure to find a relevant DFSxxxx message means that the LUW has been backed out.

For further information about the nonzero response code, if rc is

- a **system abend code**, refer to the z/OS MVS System Codes
- an **IMS user abend code**, refer to the IMS Messages and Codes
- a **DBCTL return code**, refer to the IMS Messages and Codes

**Module:** DFHDBAT

**XMEOUT Parameters:** date, time, applid, X‘nn’, {1=committed | backed out}, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE} rc.

**Destination:** CDBC

---

**DFHDB8120I** date time applid DBCTL may be INDOUBT about the LUW with recovery token X‘nn’, which CICS has {committed | backed out}, (SYSTEM ABEND CODE | IMS USER ABEND CODE | DBCTL RETURN CODE) rc.

**Explanation:** CICS has received a bad return code from DBCTL for a commit or backout request for the logical unit of work (LUW) identified by unit of recovery X‘nn’.

**System action:** CICS has either backed out or committed this LUW. CICS continues.

**User response:** At the next reconnection, CICS and DBCTL resolve all INDOUBTs. Alternatively you can request DBCTL to find out if the LUW is INDOUBT, and instruct DBCTL to commit it or back it out. For more information on how to do this, refer to the CICS IMS Database Control Guide.

For further information about the nonzero response code, if rc is

- a **system abend code**, refer to the z/OS MVS System Codes
- an **IMS user abend code**, refer to the IMS Messages and Codes
- a **DBCTL return code**, refer to the IMS Messages and Codes

**Module:** DFHDBAT

**XMEOUT Parameters:** date, time, applid, X‘nn’, {1=committed, 2=backed out}, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE}, rc

**Destination:** CDBC
DFHDB8121I  date time applid A failure has occurred in DBCTL during syncpoint prepare processing. {System abend code | IMS user abend code | DBCTL return code | IMS fast path status code} rc.

Explanation: CICS has detected a failure in DBCTL during syncpoint prepare processing.

System action: The transaction terminates abnormally with abend code ASP7 and a transaction dump. CICS processing continues.

User response: Refer to the abend code ASP7 for further information about the accompanying CICS transaction.

For further information about the nonzero response code, if rc is
• A system abend code, refer to the z/OS MVS System Codes manual
• An IMS user abend code, refer to the IMS Messages and Codes
• A DBCTL return code, refer to the IMS Messages and Codes
• An IMS fast path status code, refer to the IMS Application Programming: EXEC DLI Commands if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the Application Programming: DL/I Calls.

Module: DFHDBAT

XMEOUT Parameters: date, time, applid, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=IMS fast path status code}, rc

Destination: CDBC

DFHDB8122I  applid CICS is about to disconnect from DBCTL for CICS shutdown.

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

System action: CICS disconnection from DBCTL proceeds.

User response: None. You can suppress this message with the SIT parameter, MSGlvl = 0.

Module: DFHDBAT

XMEOUT Parameter: applid

Destination: Console

DFHDB8123I  applid CICS disconnection from DBCTL for CICS shutdown has completed successfully.

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS has successfully disconnected from DBCTL.

System action: CICS shutdown continues.

User response: None. You can suppress this message with the SIT parameter, MSGlvl = 0.

Module: DFHDBAT

XMEOUT Parameters: date, time, applid, {1=failed, 2=timed out.}, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=IMS fast path status code}, rc

Destination: Console

DFHDB8124E  date time applid CICS disconnection from DBCTL for CICS shutdown has failed, timed out or received system abend code.

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS disconnection from DBCTL failed for one of the reasons given in the message text.

System action: CICS shutdown continues.

User response: If the failure is due to a timed out condition, the message indicates that the time elapsed since CICS requested disconnection has reached the interval specified in the TIMEOUT parameter of the DRA interface without a response from DBCTL. The default interval is 60 seconds.

If failure is due to any other condition, a nonzero return code is given. If rc is
• A system abend code, refer to the z/OS MVS System Codes
• An IMS user abend code, refer to the IMS Messages and Codes
• A DBCTL return code, refer to the IMS Messages and Codes

Module: DFHDBAT

XMEOUT Parameters: date, time, applid, {1=failed, 2=timed out.}, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=IMS fast path status code}, rc

Destination: Console

DFHDB8128W  date time applid Error linking to the CICS-DBCTL user replaceable program DFHDBUX from module modname.

Explanation: An attempt was made to invoke the user replaceable module, DFHDBUX, but the module was not available.

System action: CICS disregards the failure and continues execution.

User response: Ensure that module DFHDBUX is available.

Module: DFHDBCT, DFHDBDSC.

XMEOUT Parameters: date, time, applid, modname

Destination: Console

DFHDB8128I  applid CICS is about to disconnect from DBCTL for CICS shutdown.

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

System action: CICS disconnection from DBCTL proceeds.

User response: None. You can suppress this message with the SIT parameter, MSGlvl = 0.

Module: DFHDBAT

XMEOUT Parameter: applid

Destination: Console
DFHDB8129E  date time applid  Getmain failure in the Control Exit DFHDBCTX.

Explanation:  The MVS GETMAIN request failed in DFHDBCTX.

System action:  The CICS-DBCTL interface remains unchanged.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  This message indicates that there is a storage management problem. Check for other messages issued from the CICS region to the MVS console.

See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Module:  DFHDBCTX

XMEOUT Parameters:  date, time, applid

Destination:  CDBC

DFHDB8130E  date time applid  Disconnection has failed. DBCTL return code rc.

Explanation:  The disconnection attempt failed in DBCTL.

System action:  CICS abandons the attempt to disconnect from DBCTL.

User response:  For further information about the DBCTL return code, refer to the IMS Messages and Codes.

Module:  DFHDBDSC

XMEOUT Parameters:  date, time, applid, rc

Destination:  CDBC

DFHDB8131E  date time applid  The CICS-DBCTL control transaction has abnormally terminated with abend abcode.

Explanation:  The CICS-DBCTL control transaction, CDBO, has failed.

System action:  The CICS/DBCTL interface is no longer usable.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  See the description of abend abcode for further guidance.

If you wish to use DBCTL from this CICS system again, you have to restart CICS.

Module:  DFHDBCTX

XMEOUT Parameters:  date, time, applid, abcode

Destination:  CDBC
DFHDB8204 Invalid DRA startup table suffix supplied.

**Explanation:** The terminal operator has typed an invalid startup table suffix when using CDBC, the DBCTL Support Menu Transaction. The suffix must be one or two characters long consisting only of characters valid for a partitioned data set member name.

**System action:** CICS rejects the invalid Startup Table Suffix.

**User response:** Correct the startup table suffix and try again. You may need to check the suffix with your system programmer.

**Module:** DFHDBME

**Destination:** TERMCDBC

---

DFHDB8207D Connection to DBCTL requested. Press PF5 to confirm.

**Explanation:** The terminal operator has requested that CICS should be connected to DBCTL.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

**System action:** If the PF5 key is pressed, then CICS will connect to DBCTL. If any other key is pressed in response to this message, CICS will not connect to DBCTL.

**User response:** Press the PF5 key if you wish to proceed with connecting CICS to DBCTL. If you do not wish the connection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

**Module:** DFHDBME

**Destination:** TERMCDBC

---

DFHDB8208D DBCTL immediate disconnection requested. Press PF5 to confirm.

**Explanation:** The terminal operator has requested that CICS should be disconnected from DBCTL immediately.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

**System action:** If the PF5 key is pressed, then all tasks running in this CICS system that have already used DBCTL will complete and then CICS will disconnect from DBCTL. No new tasks running in this CICS system will be permitted to use DBCTL until CICS is connected to DBCTL again. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

**User response:** Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL in an orderly way. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

**Module:** DFHDBME

**Destination:** TERMCDBC

---

DFHDB8210D Connection to DBCTL is proceeding. Check CDBC TD queue.

**Explanation:** The operator has pressed PF5 in response to message DFHDB8207D or the CDBC transaction was used from the MVS operator console to connect to DBCTL. CICS issues further messages concerning the connection to the CDBC transient data destination.

**System action:** CICS proceeds with the connection attempt.

**User response:** Press PF3 to terminate the transaction. Press PF2 to refresh the status information on the screen. If you are running the CDBC transaction on the console, the PF key functions are not available. Check the CDBC transient data destination for further messages.

**Module:** DFHDBME

**Destination:** TERMCDBC
Orderly disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8209. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages to the MVS console.

System action: CICS proceeds with the disconnection attempt.

User response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Module: DFHDBME
Destination: TERMCDBC

Immediate disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8208. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages.

System action: CICS proceeds with the disconnection attempt.

User response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Module: DFHDBME
Destination: TERMCDBC

Connection to DBCTL is already in progress. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

System action: This connection request is ignored.

User response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL.

Module: DFHDBME
Destination: TERMCDBC

Orderly disconnection from DBCTL in progress. Request is ignored.

Explanation: The terminal operator has either requested that CICS should disconnect from DBCTL when CICS is already disconnected from DBCTL, or requested that CICS should connect to DBCTL while CICS is still disconnecting from DBCTL.

System action: This disconnection request is ignored.

User response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL. If necessary, check the location of the CDBC destination with your system programmer.
DFHDB8217  DBCTL not currently connected to CICS. Request ignored.

Explanation: The terminal operator has requested that CICS should disconnect from DBCTL when CICS is not connected to DBCTL.

System action: This disconnection request will be ignored.

User response: If you did not expect DBCTL to be disconnected from CICS then check the CDBC transient data destination to see when and why CICS did disconnect from DBCTL (message DFHDB8102). If you do not know where the CDBC destination is, then please check with your system programmer.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8218  CDBC - Please specify CONNECT or DISCONNECT.

Explanation: The terminal operator has used CDBC, the DBCTL support menu transaction, from the MVS operator console and has not selected an option.

System action: No action is taken until the operator selects an option.

User response: Select an option by typing in CDBC with a connect or disconnect option.

See the CICS Supplied Transactions for guidance on using CDBC.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8219  DBCTL connection phase 1 in progress. Request is ignored.

Explanation: The first phase of connecting CICS to DBCTL has not completed yet, but the terminal operator has requested disconnection from DBCTL.

System action: This disconnection request is ignored.

User response: Try requesting disconnection again if you wish to proceed with disconnecting CICS from DBCTL. If you still cannot disconnect then check the CDBC transient data destination to see if any messages have been issued which indicate that there are problems with the connection attempt. Also check if any messages have been issued from DBCTL.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8220  CICS-DBCTL connection is unusable. Request is ignored.

Explanation: A failure has occurred in the CICS-DBCTL interface.

System action: Any requests to connect or disconnect from DBCTL is ignored.

User response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination for any messages issued from CICS and also by checking for any messages issued from DBCTL.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8221  Non zero return code rc from DFHDBAT. The request is ignored.

Explanation: The module DFHDBAT returns a nonzero return code in reply to a request issued to DBCTL. DFHDBAT is a task-related user exit and forms part of the CICS-DBCTL interface.

System action: The request to DBCTL fails.

User response: See message DFHDB8110 for further guidance.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8222  Connection has failed. DBCTL return code is rc.

Explanation: DBCTL rejects a request from CICS to connect to it.

System action: The connection does not proceed.

User response: See the IMS Messages and Codes for an explanation of the DBCTL return code.

Module: DFHDBME
Destination: TERMCDBC

DFHDB8223  DRA startup table with suffix xx cannot be found. Request is ignored.

Explanation: A connection request has been issued and the startup table with the suffix specified cannot be found.

System action: The connection does not proceed.

User response: If you were using the DBCTL Support Menu transaction, CDBC, check if you have mistyped the suffix value.

Place the DRA startup table in a CICS STEPLIB library. For guidance on how to do this, see the CICS IMS Database Control Guide.
DFHDB8224 Module DFSPRRC0 cannot be found. Connection cannot be done.

Explanation: The DRA router module, DFSPRRC0, could not be found during an attempt to connect to DBCTL.

System action: The connection does not proceed.

User response: Place the module DFSPRRC0 in a CICS STEPLIB library. For guidance on how to do this, see the CICS IMS Database Control Guide.

DFHDB8225I applid The DBCTL ID is xxxx. The DRA Startup Table suffix is xx.

Explanation: This message is issued from module DFHDBME when CDBC, the DBCTL support menu transaction, is used from the MVS operator's console. This message is issued from module DFHDBIQ when CDBI, the DBCTL support inquiry transaction, is used from the MVS operator's console.

System action: Processing continues.

User response: None.

DFHDB8226 There was an error starting CDBT. Disconnection from DBCTL failed.

Explanation: An error has occurred, starting the disconnection transaction CDBT.

System action: The disconnection attempt fails.

User response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

DFHDB8227 There was an error linking to DFHDBCON. Connection to DBCTL failed.

Explanation: An attempt was made to connect to DBCTL but there was an error when linking to the connection module.

System action: The connection attempt fails.

User response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

DFHDB8228 The period (.) and subsequent characters have been removed.

Explanation: A comment was found at the end of the command. The CDBM transaction has removed the comment before sending the IMS command. Comments start with the period character (.) and continue to the end of the command.

System action: The IMS command is sent without the comment.

User response: None.

DFHDB8229 Spaces immediately after the CRC (/) have been removed.

Explanation: One or more spaces were found between the command recognition character (CRC) and the IMS verb. The default CRC is the oblique stroke (/). Spaces in this position would normally cause an IMS command to fail.

System action: The CDBM transaction removes the spaces before sending the IMS command.

User response: None. The operator should not add spaces between the CRC and the command.

DFHDB8230 The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key.

System action: CICS ignores the key pressed.

User response: Check the display of key functions at the bottom of the screen and try a valid key.

DFHDB8231 FORCE IMS LOG END OF VOLUME was not set to 1 or 2.

Explanation: When entering a /DBDUMP or /DBRECOVER IMS command, the value in the FORCE IMS LOG END OF VOLUME field must be set to either 1 or 2. If you select 1, which is the default, the
command has the NOFEOV option set; this does not force IMS End OF LOG for this command. To override this, select option 2; the NOFEOV option is not added.

**System action:** The command is not sent.

**User response:** Choose option 1 or 2 and press Enter.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8232**  Initial CRC (/) was not found. Reenter the IMS command.

**Explanation:** The command recognition character (CRC) is expected at the start of the command line. The default CRC is the oblique stroke (/).

**System action:** The command is not sent.

**User response:** Reenter the command with the CRC as the initial character.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8233**  A second CRC (/) was found. Reenter the IMS command.

**Explanation:** The command field can accept only one command. A command must start with the command recognition character (CRC). The default CRC is the oblique stroke (/). A second CRC within the command field is not allowed and must be removed before the command is sent to IMS.

**System action:** The command is not sent.

**User response:** Correct the command field by removing the second command or correcting the command syntax.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8234**  An invalid wildcard was found. Reenter the IMS command.

**Explanation:** More than one database name contains a wildcard. You can use the asterisk (*) to refer to any number of characters, or the plus sign (+) to refer to a single character. However, in a command you can use wildcard characters in one database name only. Wildcards in more than one database name are not permitted and should be removed.

**System action:** The command is not sent.

**User response:** Remove the invalid wildcard. Either change the first wildcard string to include the database names matched by the second wildcard string, or explicitly name the databases. Alternatively issue the command with the first wildcard string, retrieve the command by pressing F9 (Retrieve) and replace the first wildcard string with the second. If there are other database names within the command, you may need to remove them before sending the command.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8235**  Incorrect wildcard position. Reenter the IMS command.

**Explanation:** You can use a wildcard character in a command only to refer to database names. In this case a wildcard character, an asterisk (*) or plus sign (+), has been wrongly positioned in the command.

**System action:** The command is not sent.

**User response:** Correct the command by moving the wildcard to a position where it can refer to a database name or names.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8236**  Invalid IMS command verb. Reenter the IMS command.

**Explanation:** The command has been rejected by IMS because the verb is not recognized as a valid IMS operator command.

**System action:** IMS rejects the command.

**User response:** Correct the command and press Enter.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8237**  Command not allowed. Enter a valid IMS command.

**Explanation:** This command has been rejected by IMS because it cannot be executed using the AIB interface used by CICS.

**System action:** IMS rejects the command.

**User response:** Enter a valid IMS operator command.

**Module:** DFHDBMP

**Destination:** Terminal End User

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**DFHDB8238**  Command not authorized. Enter a valid IMS command.

**Explanation:** The command has been rejected by IMS because the application or user does not have the necessary authorization to execute the command as entered.
DFHDB8239 IMS rejects the command.
User response: Get the necessary authorization and reissue the command.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8239 *aaa call failed, AIB Return X'bbbb'*
Reason X'cccc'*
Explanation: The command has been rejected by IMS.
System action: IMS rejects the command.
User response: For the IMS function code, examine the AIB return code and reason code to determine the cause of the error. See the IMS/ESA Application Programming: Database Manager manual, SC26-8015 for an explanation of these codes.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8240 DBCTL not connected. Run CDBC to connect.
Explanation: CICS was unsuccessful in its attempt to schedule the program specific block (PSB) DFHDBMP before issuing the IMS command.
System action: The command is not sent.
User response: Ensure that the DBCTL system is attached using the CICS supplied transaction CDBC.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8241 PSB schedule unsuccessful. UIB return codes (X'aaaa')
Explanation: CICS was unsuccessful in its attempt to schedule the program specification block (PSB) DFHDBMP before issuing the IMS command.
System action: The command is not sent.
User response: Ensure that PSB DFHDBMP is available to your system. See the summary of abends and return codes in the CICS IMS Database Control Guide for an explanation of the UIB return codes.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8242 Command in progress. Issue /DISPLAY command for status.
Explanation: The command sent to IMS has not returned a segment but has sent an acknowledgment.
System action: The IMS command is proceeding or has completed.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8243 No match has been found for wildcard (aaanaaa).
Explanation: CICS was unsuccessful in its attempt to match any IMS databases with the wildcard supplied.
System action: The command is not sent.
User response: Check the names of the databases required and/or the wildcard supplied.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8244 The requested command cannot be found in the command file.
Explanation: The group command entered does not exist in the command file.
System action: No action.
User response: Check that the group name and command were typed correctly. A list of all available commands can be found using the browse function in the group command maintenance section of CDBM.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8245 The command file, DFHDBFK, cannot be opened.
Explanation: CDBM failed to open the command file, DFHDBFK.
System action: CDBM will not allow the user to enter the maintenance section.
User response: Determine the cause of the open failure, and correct the error. Retry selecting the maintenance option from within CDBM.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8246 An error has occurred reading the command file, DFHDBFK.
Explanation: An error occurred whilst CDBM was trying to read a record from the command file, DFHDBFK.
System action: CDBM cannot read and execute the requested group command.
DFHDB8247  DFHDB8254

User response: Determine the cause of the read failure, and correct the error. Retry issuing the group command again from within CDBM.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8247 Record not found.
Explanation: There was no record in the group command file, DFHDBFK, for the specified group and command.
System action: None.
User response: Browse the group command file to locate the correct record. If this message was issued during a browse request, clear the group and name fields and retry the browse.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8248 End of file reached during browse. Press enter to wrap.
Explanation: The end of the file was reached during a browse request on the group command file, DFHDBFK.
System action: None.
User response: Press return to browse the group command file from the beginning.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8249 A record already exists for this command in this group.
Explanation: A record with a matching group and command names already exists in the group command file, DFHDBFK.
System action: A new group command record is not added to the group command file.
User response: Check the command name is correct. If it is, use a different group name.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8250 A record must be read before updating.
Explanation: Before a record in the group command file, DFHDBFK, can be updated, it must first be read.
System action: The group command record is not updated in the group command file.
User response: Read the record and apply the changes before issuing an update request.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8251 A record must be read before deletion.
Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.
System action: The record is not deleted from the group command file.
User response: Read the record before issuing a delete request.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8252 Group and command must not be altered. Record not updated.
Explanation: The group and command fields must not be altered during a group command record update request.
System action: The record is not updated in the group command file, DFHDBFK.
User response: Add a new record with the required group and name fields. Delete the unwanted record.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8253 Group and command must not be altered. Record not deleted.
Explanation: The group and command fields must not be altered during a group command record delete request.
System action: The record is not deleted from the group command file, DFHDBFK.
User response: Read the correct record before issuing a delete request.
Module: DFHDBMP
Destination: Terminal End User

DFHDB8254 Cannot update during browse. Read record to update.
Explanation: Before a record in the group command file, DFHDBFK, can be updated, it must first be read.
System action: The group command record is not updated in the group command file.
User response: Read the record and apply the changes before issuing an update request.
Module: DFHDBMP
Destination: Terminal End User
DFHDB8255  Cannot delete during browse. Read record to delete.

Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.

System action: The record is not deleted from the group command file.

User response: Read the record before issuing a delete request.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8256  Both group and command must be specified.

Explanation: The group and command fields must both be specified when adding a new group command record to the group command file, DFHDBFK.

System action: A new group command record is not added to the group command file.

User response: Enter data in both the group and command fields and issue the add request.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8257  Function invalid. Must be A, B, D, R or U.

Explanation: An action requested was not valid.

System action: None.

User response: Enter a valid action letter.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8258  File \{write \| rewrite \| delete \| read \| browse\} failure. EIBRESP=eibresp, EIBRESP2=eibresp2.

Explanation: An unexpected error has occurred during a file operation on the group command file, DFHDBFK.

System action: The requested update to the group command file is not made.

User response: Determine the reason for the failure using the EIBRESP and EIBRESP2 values. Fix the cause of the error and retry the operation.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8259  Group command, group command, \{added \| updated \| deleted \| read \| browsed\}.

Explanation: The operation indicated has been performed on the group command file, DFHDBFK.

System action: The group command file has been successfully modified.

User response: None.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8260  Record length exceeds screen size.

Explanation: The record read from the group command file, DFHDBFK, was found to contain more data than could be displayed on the screen.

System action: None.

User response: The data set associated with the group command file, DFHDBFK, has been created with a larger record size than allowed. Recreate the data set with the correct record size, and reload the data.

Module: DFHDBMP
Destination: Terminal End User

DFHDB8290  DBCTL not connected to CICS.

Explanation: This message is issued when CICS is not connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, then the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System action: Processing continues.

User response: None.

Module: DFHDBME, DFHDBIQ
Destination: TERMCDBC

DFHDB8291  DBCTL connect phase 1 in progress.

Explanation: CICS is in phase 1 of connecting to DBCTL and has not yet moved into phase 2 of connection processing.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

System action: Processing continues.

User response: None.

Module: DFHDBME, DFHDBIQ
Destination: TERMCDBC
DFHDB8292I  DBCTL connect phase 2 in progress.

**Explanation:**  CICS is in phase 2 of connecting to DBCTL. (That is, phase 1 of connection has been completed and CICS has not yet heard from DBCTL that phase 2 of connection has been completed.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, then this message is issued from module DFHDBIQ.

**System action:**  Processing continues.

**User response:**  Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Module:**  DFHDBME, DFHDBIQ

**Destination:**  TERMCDBC

DFHDB8293I  DBCTL connected and ready.

**Explanation:**  CICS is connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System action:**  Processing continues.

**User response:**  Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Module:**  DFHDBME, DFHDBIQ

**Destination:**  TERMCDBC

DFHDB8292I  DBCTL orderly disconnect in progress.

**Explanation:**  CICS is disconnecting from DBCTL in an orderly manner. (That is, all tasks using DBCTL from this CICS system will run to termination before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System action:**  Processing continues.

**User response:**  Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Module:**  DFHDBME, DFHDBIQ

**Destination:**  TERMCDBC

DFHDB8295I  DBCTL immediate disconnect in progress.

**Explanation:**  CICS is disconnecting from DBCTL immediately. (That is, all DL/I requests issued from this CICS system and currently being processed by DBCTL will complete before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

If there is an IMS console message DFS0690 waiting for an operator reply, this message continues to be displayed until the operator replies to the IMS console message.

**System action:**  Processing continues.

**User response:**  Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Module:**  DFHDBME, DFHDBIQ

**Destination:**  TERMCDBC
DFHDB8296I  DBCTL cannot be connected to CICS.

Explanation: A failure has occurred in the CICS-DBCTL interface.
If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.
If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System action: Processing continues.
User response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination and checking any messages issued from DBCTL.

Module: DFHDBME, DFHDBIQ
Destination: TERMCDBC

DFHDB8297 applid CICS/DBCTL CONNECTION BEING ATTEMPTED

Explanation: This message only occurs when there is no recoverable service table (RST). CICS has attempted to connect to DBCTL but has failed on one or more occasions. DBCTL may not be running, or it may be restarting after a DBCTL abend.

System action: CICS continues to attempt to connect every 5 seconds. This message is reissued every minute for ten minutes or until connection is made.

If the connection is not made in ten minutes, CICS will stop attempting to connect and IMS message DFS0690 is issued. If the user replies WAIT to the IMS DFS0690 message, then the IMS DRA will take over responsibility for retrying the connection attempt. The TIMER parameter in the DRA startup table specifies how often the DRA will retry the connect to DBCTL.

User response: Check why DBCTL is not running. You can cancel the connection attempts using the CDBC transaction by issuing a disconnect request.

Module: DFHDXAX
Destination: Console

DFHDB8298 applid An attempt has been made to connect to DBCTL via PLT phase 1. The request has been rejected.

Explanation: The attempt to connect to DBCTL has been unsuccessful.

You are using a startup PLT and the request for DFHDBCON has been issued in PLT phase 1 processing. It can only be issued from PLT phase 2.

System action: Processing continues.
User response: Look at the source for your startup PLT. Ensure the DBCTL startup program (DFHDBCON) is after the statement specifying DFHDELIM.

Module: DFHDBME, DFHDBCON
XMEOUT Parameter: applid
Destination: Console

DFHDDnnnnn messages

DFHDD0001 applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An unexpected program check or abend occurred with abend code aaaa/bbbb.
The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.
Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.
If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDDAP, DFHDDDM, DFHDDDI, DFHDDLO, DFHDDBR
XMEOUT Parameters: applid, aaaa/bbbb, X'offset', modname
Destination: Console

DFHDD0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: Directory Domain has received an unexpected error response from some other part of CICS. The operation requested by Directory Domain is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.
Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDDAP, DFHDDDM, DFHDDEI, DFHDDLO, DFHDDBR

XMEOUT Parameters: applid, X'offset', modname

Destination: Console

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager, DFHDMDM), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which corrects itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the size limits of the DSAs or EDSAs.
DFHDHnnnn messages

DFHDH0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDDAP

XMEOUT Parameters: applid, X'code',modname, mvscode

Destination: Console

DFHDH0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDDAH, DFHHDHM, DFHDHSL

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHDH0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to
process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset`. This is the offset of the instruction which was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message `DFHME0116` should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the ICVR system initialization parameter, which is measured in milliseconds. This means that module `modname` in the message is terminated and CICS continues.

But if you have specified ICVR=0 you consider that module `modname` is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname`, and you consider that it was not a runaway, you should increase the ICVR system initialization parameter. You can change the RUNAWAY time interval temporarily using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Explanation:** The document template definition `doctemplate` has been successfully added to the Document Handler domain. The template definition maps on to one of the following resources named `resourcename`:

- **PDS-MEMBER**
  A member of a partitioned data set
- **FILE**
  A CICS file
- **PROGRAM**
  A CICS program
- **TSQUEUE**
  A CICS Temporary Storage queue
- **TDQUEUE**
  A CICS Transient Data queue
- **EXITPGM**
  A User-replaceable program that reads in a template of its own specification
- **HFSFILE**
  A file in the z/OS UNIX System Services Hierarchical File System (HFS).

The document template is assigned a template name of `templatename`.

**System action:** The definition is written to the CICS global catalog and will be restored on a CICS warm start.

**User response:** Application programs can now use the template using the name `templatename`.

**Module:** DFHDHM

**XMEOUT Parameter:** `applid`

**Destination:** Console

---

**Module:** DFHDHTM

**XMEOUT Parameter:** `applid`, `X'offset'`, `modname`

**Destination:** Console

---

**Module:** DFHDHTM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

---

**Module:** DFHDGMTM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

---

**Module:** DFHDHDM

**XMEOUT Parameter:** `applid`

**Destination:** Console

---

**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

---

**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

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**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console

---

**Module:** DFHDHDM

**XMEOUT Parameter:** `date`, `time`, `applid`, `doctemplate`

**Destination:** Console
Destination: CSDH

**DFHDH0106** date applid Document template definition `doctemplate` has been deleted.

**Explanation:** The document template definition `doctemplate` has been successfully deleted from the Document Handler domain.

**System action:** The definition is removed from the CICS global catalog and will not be restored on a CICS warm start.

**User response:** Application programs can no longer use the template using the name `templatename`.

**Module:** DFHDHTM

**XMEOUT Parameters:** `date, time, applid, doctemplate`

**Destination:** Console

**DFHDH0300** applid File `filename` could not be opened (`rrrr`). Response `X'xxxx'`, Reason `X'yyyy'`.

**Explanation:** The file `filename`, in the UNIX System Services file system, could not be opened. `rrrr` is the mnemonic for the hexadecimal USS response code `xxxx` and USS reason code `yyyy`.

The file might not exist, or the CICS system might not be authorized to access it.

The response codes `xxxx` and `yyyy` are those returned by the UNIX System Services `inquire` function (BPX1STA), and are described in z/OS UNIX System Services Messages and Codes (SA22-7807).

**System action:** CICS returns an error response to the service that requested the file to be opened. This might result in a further error in the requesting service.

**User response:** If the file does not exist, change the `filename` to that of a file that does exist.

If CICS is not authorized to access the file, choose a different filename, or seek permission from the file owner to access it.

**Module:** DFHDFS

**XMEOUT Parameters:** `applid, filename, rrrr, X'xxxx', X'yyyy'`

**Destination:** Console

**DFHDH0108I** date applid Member `member` not found in `dsname`. DOCTEMPLATE `doctemplate` is not installed.

**Explanation:** A document template definition specified a MEMBER name of `member`, but the data set `dsname` allocated to the specified DDNAME does not contain that member.

**System action:** The document template `doctemplate` is not installed.

**User response:** Add the specified member `member` to the data set named `dsname`. Then reinstall the document template.

**Module:** DFHDHMP

**XMEOUT Parameters:** `date, time, applid, member, dsname, doctemplate`

**Destination:** Console

**DFHDH0106 • DFHDM0001**

**DFHDMnmmm messages**

**DFHDM0001** applid An abend (code `aaa/bbbb`) has occurred at offset `X'offset'` in module `modname`.

**Explanation:** An abnormal end (abend) or program check has occurred in the module `modname`. This implies that there may be an error in CICS code. Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code `aaa/bbbb` is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have
specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDS and DFHDMWQ.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or something else and may give you some guidance concerning user response.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

Destination: Console

DFHDM0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code code is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDS and DFHDMWQ.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Module: DFHDMDM, DFHDMIQ, DFHDMWQ

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHDM0003 applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16Mb line.

System action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDS and DFHDMWQ.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This indicates a possible error in the CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHDM0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even
if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHDMDM, DFHDMDS, DFHDMWQ

**XMEOUT Parameters:** applid, *modname*, X’code’

**Destination:** Console

---

**DFHDM0005**  
*applid* A hardware error has occurred (module *modname*, code X’code’). The Time-of-Day clock is invalid.

**Explanation:** A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point id which uniquely identifies the place where the error was detected.

**System action:** An exception entry (code *code* in the message) is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHDM0005

**XMEOUT Parameters:** applid, *modname*, X’code’

**Destination:** Console

---

**DFHDM0101I**  
*applid* CICS is initializing.

**Explanation:** This message is for information only.

CICS initialization has started. The domain (DM) manager is about to attach an initialization task for each domain defined in the local CICS catalog, DFHLCD.

**System action:** Processing continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:** DFHDM0101I

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHDM0102I**  
*applid* CICS is quiescing.

**Explanation:** This message is for information only.

The controlled shutdown of CICS has started. The domain (DM) manager is about to attach a quiesce task for each CICS component.

**System action:** Processing continues.

**User response:** None. You can suppress this message with the SIT parameter, MSGLVL=0.

**Module:** DFHDM0102I

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHDM0103**  
*applid* Unsuccessful quiesce of domain *domain*. CICS will terminate.

**Explanation:** A domain has failed to quiesce.

**System action:** CICS terminates. An exception trace and a dump are issued by the domain in error.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** You need further assistance from IBM
DFHDM0104 • DFHDP0001

to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDMDS

XMEOUT Parameters: applid, domain

Destination: Console

DFHDM0104  applid Unsuccessful load of program domain. CICS will terminate.

Explanation: The domain (DM) manager has called the loader to load a program for an initialization task but the load has failed. The module is missing from the DFHRPL concatenation, possibly because the SDFHLOAD is missing. Alternatively, if the module name given in the message is not a legitimate CICS module, the CICS catalog could be corrupted.

System action: CICS terminates. A system dump with dump code DM0006 is taken unless you have suppressed dumps in the dump table.

An exception trace is issued by the domain manager. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDMDM

XMEOUT Parameters: applid, domain

Destination: Console

DFHDM0105  applid Unsuccessful initialization of domain domain. CICS will terminate.

Explanation: A domain has failed to initialize.

System action: CICS terminates.

Diagnostics are issued by the domain in error. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDMDM

XMEOUT Parameter: applid

Destination: Console

DFHDPnnnn messages

DFHDP0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHPD1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If
CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module `modname` you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHDP*

**XMEOUT Parameters:** `applid`, `X'code'`, `modname`

**Destination:** Console

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DFHP0002 • DFHP0100

**DFHP0002 `applid` A severe error (code `X'code'`) has occurred in module `modname`**

**Explanation:** An error has been detected in module `modname`. The code `X'code'` is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHDPFM, DFHDPLM, DFHPUM.

**XMEOUT Parameters:** `applid`, `X'code'`, `modname`

**Destination:** Console

---

**DFHP0100 `applid` An unexpected exception response with reason code `X'code'` has been returned by CICS file control to module `modname`**

**Explanation:** A call to CICS file control from a DP domain module has received an unexpected exception response from DFHFCFR. The reason code given in the message is the reason from the FCFR parameter list on return from file control.

**System action:** The file given in the message is not usable.

The application debugging profiles manager will fail until the problem has been corrected. If the CICS supplied transaction, CADP, is being used to define debugging profiles it will fail with an ADPA abend.

The meaning of the reason code in the message is given below:

- **X'08' (FCFR_CACHE_FAILURE)**
  
  There has been an input/output(IO) error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'15' (FCFR_DATASET_BEING_COPIED)**
  
  The data set for the debugging profiles file, DFHDPFMB, is currently unavailable because it is being copied. Retry when it becomes available.

- **X'1F' (FCFR_FILE_DISABLED)**
  
  The file definition for the debugging profiles base data set, DFHDPFMB, or path data set, DFHDPFMP, is disabled. Enable the disabled file and retry.

- **X'20' (FCFR_FILE_NOT_OPEN)**
  
  The file definition for the debugging profiles base data set, DFHDPFMB, or path data set, DFHDPFMP, cannot be opened. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'22' (FCFR_FILENOTFOUND)**
  
  A definition for the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, could not be found. Sample definitions for these files are available and should be defined and installed before retrying.

- **X'27' (FCFR_INSUFFICIENT_SPACE)**
  
  There has been an input/output(IO) error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP.
The debugging profiles base file, DFHDPFMB, is full. Investigate whether there are debugging profiles that can be deleted. Or, increase the storage allocation for the underlying VSAM data set, and recreate. Existing profiles could be backed up on another data set and then copied to the newly defined debugging profiles data set as part of the JCL to recreate it. To achieve this, replace REPRO INFILE with REPRO INDATASET in the JCL and replace SYS01 with the name of the data set containing the backed up profiles.

- **X'2B' (FCFR_READ_NOT_AUTHORISED)**
  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'39' (FCFR_PREVIOUS_RLS_FAILURE)**
  The external security manager would not allow the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, to be accessed. If the user should have access to the files, allow access and retry.

- **X'37' (FCFR_NOTAUTH)**
  The user is not authorized to use the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. If the user should have access to the files, allow access and retry.

- **X'33' (FCFR_LOCK_STRUCTURE_FULL)**
  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'32' (FCFR_LOST_LOCKS)**
  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'31' (FCFR_LOCKED)**
  An attempt has been made to write a record to the debugging profiles base file, DFHDPFMB, but a retained lock exists against the key of the record being written.

- **X'30' (FCFR_FILE_CLOSED)**
  When attempting to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, the user was not authorized to use the file control or VSAM messages. Retry when RLS is available.

- **X'2D' (FCFR_ISC_NOT_SUPPORTED)**
  An attempt has been made to ship a file control request but ISC=NO for the system. Determine if ISC should be YES or if the file definition should be changed so that shipping is not required and retry.

- **X'59' (FCFR_VSAM_REQUEST_ERROR)**
  Investigate the reason for the RLS failure by looking for messages in the recovery log or the journal used for auto-archiving.

- **X'58' (FCFR_UPDATE_NOT_AUTHORISED)**
  Investigate the reason for the failure by examining the console for file control and VSAM messages. Retry when RLS is available.

- **X'52' (FCFR_TIMEOUT)**
  A request to file control has timed out. Investigate the reason for the timeout by examining the console for file control and VSAM messages.

- **X'4F' (FCFR_SYSIDERR)**
  The debugging profiles file, DFHDPFMB, has been defined as record level sharing (RLS) but RLS is currently unavailable due to a failure. Investigate the reason for the failure by examining the console for file control and VSAM messages. Retry when RLS is available.

- **X'4E' (FCFR_RLS_DISABLED)**
  The debugging profiles file, DFHDPFMB, has been defined as record level sharing (RLS) but RLS is currently disabled. Investigate why RLS is disabled by examining the console for file control and VSAM messages. Retry when RLS is available.

- **X'4B' (FCFR_SERVREQ_VIOLATION)**
  A user exit has suppressed the writing of records to the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. The exit should not be allowed to suppress records being written to these files. Correct the exit and retry.

- **X'4A' (FCFR_SUPPRESSED)**
  A user exit has suppressed the writing of records to the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. The exit should not be allowed to suppress records being written to these files. Correct the exit and retry.

- **X'49' (FCFR_SYSLIDERR)**
  The SYSID for the file definition for the debugging profile base file, DFHDPFMB, or path file, DFHDPFMP, specifies a name that is neither the local CICS region nor a remote system defined to CICS by a CONNECTION definition. SYSIDERR can also occur if the link to the remote system is closed. Correct the SYSID or reopen the link and retry.

- **X'50' (FCFR_TIMEOUT)**
  A request to file control has timed out. Investigate the reason for the timeout by examining the console for messages.

- **X'58' (FCFR_UPDATE_NOT_AUTHORISED)**
  The external security manager would not allow the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, to be accessed. If the user should have access to the files, allow access and retry.

- **X'59' (FCFR_VSAM_REQUEST_ERROR)**
  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.
DFHDP0200 • DFHDS0001

User response: Investigate and correct the error based on the reason given and retry.
Module: DFHDPFM, DFHDPLM, DFHDPU.
XMEOUT Parameters: applid, X'code', modname, filename
Destination: Console

DFHDP0200 applid Debug Tool is back level.
Compiled Debugging profiles may be defined but not used on this system.
Explanation: CICS is running with a level of Debug Tool which is older than Version 3.1.
System action: The CADP transaction and the web interface can be used to define debugging profiles and they can be activated. However, Debug Tool will not be able to use these profiles.
User response: If you do not intend to perform compiled debugging on this system or you only want to use CADP and the web interface to define profiles for use on another CICS region which does have Debug Tool at least at the version 3.1 level, then no action is required. If the intention is to use compiled debugging profiles on this CICS, then Debug Tool version 3.1 or later must be installed.
Module: DFHDPLU
XMEOUT Parameter: applid
Destination: Console

DFHDP0300 applid num debugging profile(s) have been inactivated.

DFHDSnñnn messages

DFHDS0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.
Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.
The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).
System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

User response: If CICS is still running, it is necessary to decide whether to terminate CICS.
1. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
2. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
3. If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
4. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: None.
DFHDS0002 • DFHDS0004

Module: DFHDSAT, DFHDSBR, DFHDSDM, DFHDS2, DFHDS3, DFHDS4, DFHSDT, DFHDSKE, DFHDSM, DFHDSR, DFHDSST, DFHDSTCB, DFHDSDS

XMEOUT Parameters: applid, aaaa/bbbb, X'offset', modname

Destination: Console

DFHDS0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

System action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action taken depends on the context.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDSBR

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHDS0003 applid Insufficient storage (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

System action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager, DFHDMDM). A message will be issued to this effect.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the overall size limits of the DSA or EDAS. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDSBR

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHDS0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is
the offset of the instruction which was executing at the
time the error was detected.

**System action:** An exception entry is made in the
trace table. A system dump is taken, unless you have
specifically suppressed dumps in the dump table. CICS
will continue unless you have specified in the dump
table that CICS should terminate. Message DFHME0116
should be produced containing the symptom string for
this problem.

**User response:** Inform the system programmer. If
CICS has not been terminated, it will be necessary to
decide whether the problem is serious enough to bring
CICS down.

Since some CICS functions can use a lot of CPU time,
this message may have been caused by a long-running
function. So there may not be an error here. Usually,
CICS will purge a CICS function which exceeds the
runaway task time interval which you have specified in
the SIT (this is the ICVR which is measured in
milliseconds). This means that module **modname** will be
terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you
consider that module **modname** has gone into a loop,
you will have to terminate CICS in order to terminate
the runaway function.

If CICS has terminated module **modname**, and you
consider that it was not a runaway, you should increase
the ICVR time interval in the SIT. You will have to
bring CICS down at a suitable time to do this
permanently. But you can change the ICVR time
interval temporarily online, using the CEMT
transaction.

If raising the ICVR time does not solve the problem,
you will need further assistance from IBM. See Part 4
of the **CICS Problem Determination Guide** for guidance
on how to proceed.

**Module:** DFHDSTCB

**XMEOUT Parameters:** applid, X’offset’,modname

**Destination:** Console

|DFHSD0005 applid A hardware error has occurred
(code X’code’, module modname). The Time-of-Day clock is invalid.|
|---|

**Explanation:** A hardware error has occurred during
the running of module **module**. The MVS Store Clock
facility is the timing mechanism for the operating
system.

The code X’code’ is the exception trace point ID which
uniquely identifies the place where the error was
detected.

**System action:** An exception entry (code code in the
message) is made in the trace table. A system dump is
taken, unless you have specifically suppressed dumps
in the dump table. This is a critical error and CICS is
terminated, even if you have specified in the dump
table that CICS should not terminate.

Message DFHME0116 should be produced containing
the symptom string for this problem.

**User response:** Inform the system programmer. This is
in all probability a hardware error and you should in
the first instance investigate the MVS Store Clock and
find out whether it is working properly. If this is the
cause, you should take the appropriate action to have it
repaired or replaced.

In the unlikely event that this is not a hardware
problem, you will need further assistance from IBM.
See Part 4 of the **CICS Problem Determination Guide**
for guidance on how to proceed.

**Module:** DFHDSTCB

**XMEOUT Parameters:** applid, X’code’,modname

**Destination:** Console

|DFHDS0006 applid Insufficient storage to satisfy
GETMAIN (code X’code’) in module
modname. MVS code mvscode.|
|---|

**Explanation:** An MVS GETMAIN was issued by
module **modname** but there was insufficient storage
available to satisfy the request.

The code code is the exception trace point ID which
uniquely identifies the place where the error was
detected.

This error may occur either above or below the 16M
line. This depends on context.

The code mvscode is the MVS GETMAIN return code.

**System action:** An exception entry is made in the
trace table (code code in the message). A system dump
takes place, unless you have specified in the dump
table that CICS should continue.

Either CICS will continue unless you have specified in
the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller
of this domain. In this case, CICS could be terminated
by the caller (for example, the domain manager,
DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even
if you have specified in the dump table that CICS
should not terminate.

The system action depends on the context.

Message DFHME0116 should be produced containing
the symptom string for this problem.

**User response:** Inform the system programmer. If
CICS has been terminated by another module, look out
for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSA or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDSAT, DFHDSDM, DFHDS2, DFHDSSR

XMEOUT Parameters: applid, X'code', modname, mvscode

Destination: Console

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. The message will state that CICS will be terminated.

The system action depends on the context.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. The exception trace may help you identify the architecture limit that has been detected. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem might be a temporary one that you can resolve by retrying the operation.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: XMEOUT Parameters: applid, module, {1=suspend resume area overflow, 2=architecture limit}, X'code', {1=. CICS will be terminated., 2=.}

Destination: Console

DFHDS0007 applid Module module has detected a {suspend resume area overflow | architecture limit} (code X'code'), CICS will be terminated. {1 .}

Explanation: A dispatcher architecture limit has been detected. This could be one of the following limits.

- Suspend resume area overflow
- Architecture limit

The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either If the message does not state that CICS will be terminated then CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. The message will state that CICS will be terminated.

The system action depends on the context.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. The exception trace may help you identify the architecture limit that has been detected. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem might be a temporary one that you can resolve by retrying the operation.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDSAT

XMEOUT Parameters: applid, transid, tranum, userid

Destination: Console

DFHDS0010 applid Kill request accepted for transaction id transid, transaction number tranum, userid userid.

Explanation: A request to kill a CICS task has been accepted.

System action: The CICS task has been marked to be killed. The kill will be actioned as soon as possible. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Check for subsequent messages or abend codes to determine the state of the task when the kill was actioned and the possible repercussions of the kill.

Module: DFHDSAT

XMEOUT Parameters: applid, transid, tranum, userid

Destination: Console

DFHDS0011 applid Kill request reaccepted for transaction id transid, transaction number tranum, userid userid.

Explanation: A request to kill a CICS task has been reaccepted. A kill has previously been accepted for this task but has not been actioned yet.

System action: The CICS task has been marked to be killed. The kill will be actioned as soon as possible. Message DFHME0116 should be produced containing the symptom string for this problem.
User response: Check for subsequent messages or abend codes to determine the state of the task when the kill was actioned and the possible repercussions of the kill.

Module: DFHDSAT

XMEOUT Parameters: applid, transid, tranum, userid

Destination: Console

DFHDS0101 applid Dispatcher cannot enable the CICS post exit.

Explanation: The dispatcher has been unable to gain authorization to enable the CICS post exit. This is probably because the CICS SVC number has been defined incorrectly in the SIT.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

DFHDUnnnn messages

DFHDU0001 applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

For module DFHDUDU, a system dump cannot be taken as doing so could cause CICS to loop. CICS processing continues.

For other modules, a system dump is taken.

CICS processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If the abend occurred in modules DFHDUDT or DFHDUTM, the dump table is not available. Therefore, any EXEC API commands relating to dump codes fail and any dumps taken are processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDUDT, DFHDUTM, DFHDUDU, DFHDUDX, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSAXDF, DFHDLYDF, DFHXDF, DFHXRDF, DFHTCXDF, DFHTRXDF, DFHFCXDF
DFHDU0002  DFHDU0004

**DFHDU0002**  applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code code is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

**System action:** An exception entry (code code in the message) is made in the trace table.

For module DFHDU0DT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you’ve specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHDU0DT, DFHDU0TM

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**DFHDU0004**  applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

**System action:** An exception entry is made in the trace table.

For module DFHDU0DT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDU0TM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHDU0DT, DFHDU0TM, DFHDUXD, DFHDU0U, DFHDUXW, DFHPCXDF, DFHSAXDF, DFHDLXDF, DFHDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF
**DFHDU0006** applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

**Explanation:** An MVS GETMAIN was issued module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

The code mvscode is the MVS GETMAIN return code.

**System action:** An exception entry is made in the trace table (code code in the message) and a system dump is taken. This dump cannot be suppressed. CICS processing continues.

**User response:** Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

As the problem is in module DFHDUTM, EXEC API commands for browsing the dump tables may not work, or additions to the dump tables may not work.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you need to bring CICS down to do this.

**Module:** DFHDUDM

**Destination:** Console

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**DFHDU0103** applid An abend has occurred during initialization of dump domain in module DFHDUDM.

**Explanation:** A dump domain has failed to initialize.

**System action:** CICS terminates.

An exception trace and a kernel dump are issued by the dump domain. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHDUDU

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHDU0201** applid About to take SDUMP.

**Dumpcode:** dumpcode, **Dumpid:** dumpid.

**Explanation:** An error, possibly signalled by a previous message, has caused a call to the CICS dump (DU) domain. Dump domain will issue this message immediately before calling the MVS SDUMP facility if the following conditions are satisfied

- The SIT option, DUMP=YES, for SDUMPS has been specified.
- The dump table entry for dump code dumpcode specifies that a system SDUMP is required.
- The maximum dump limit for this dump code in the dump table entry has not been exceeded.
- The user exit XDUREQ does not suppress the taking of this dump.

The dump code dumpcode is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

The dumpid dumpid is the unique 9-character string identifying this dump.

**System action:** When the dump is complete, message number DFHDU0202 is issued.

**User response:** Inform the system programmer, who should refer to the CICS message indicated by
dumpcode to resolve the problem.

**Module:** DFHDUDU

**Destination:** Console

---

**DFHDU0202** *applid* SDUMP complete.

**Explanation:** This message is issued on successful completion of an SDUMP.

**System action:** Processing continues unless a CICS shutdown is requested by either the dump table entry for this dump or the dump call to the dump (DU) domain.

**User response:** Print off the system dump if required. A previous MVS message identifies in which SYS1.DUMP data set this dump can be found.

**Module:** DFHDUDU

**Destination:** Console

---

**DFHDU0203I** *date time applid* A transaction dump was taken for dumpcode: dumpcode, Dumpid: dumpid.

**Explanation:** A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has taken a transaction dump.

The dump code *dumpcode* is normally the 4-character CICS transaction abend code if the dump was requested as a result of a transaction abend. It may also be the value of the DUMPCODE operand on an EXEC CICS DUMP TRANSACTION request.

The dump ID *dumpid* is the unique 9-character string identifying this dump.

**System action:** A transaction dump is written to the current CICS dump data set, either DFHDMPA or DFHDMPB.

CICS may terminate if the dump table entry for the specified abend code specifically requests it.

**User response:** Print off the transaction dump if required.

**Module:** DFHDUDU

**Destination:** Console

---

**DFHDU0205I** *applid* A system dump for dumpcode: dumpcode was suppressed by the reason.

**Explanation:** An error, possibly signalled by a previous message, has caused a call to the CICS (DU) dump domain, which failed to take a system dump for reason *reason*. Reason *reason* indicates what has caused dump suppression.

**System action:** A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain requests CICS termination.

**User response:** If a transaction dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program not to suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code *dumpcode*.
- If the global system dump suppression option has suppressed the dump, specify DUMP=YES on the SIT to allow future system dumps to be taken.

The SIT DUMP option can be over-ridden by using CEMT or the system programming interface for SET SYSTEM DUMPING (NOSYSDUMP|SYSDUMP).

**Module:** DFHDUDU

**Destination:** Console

---

**DFHDU0206I** *date time applid* A transaction dump for dumpcode: dumpcode was suppressed by the reason.

**Explanation:** A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump for the reason *reason*. Reasons *reason* indicates the reason for dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

**System action:** A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

**User response:** If a transaction dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure, change the user exit program so that it does not suppress the dump.

**Module:** DFHDUDU

**Destination:** Console
• If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code `dumpcode`.

**Module:** DFHDUDU  
**XMEOUT Parameters:** `date`, `time`, `applid`, `dumpcode`, `reason`  
**Destination:** CDUL

---

**DFHDU0207I**  
*date time applid*  
**Transaction and system dumps for dumpcode: dumpcode were suppressed by the reason.**

**Explanation:** Either an EXEC CICS DUMP TRANSACTION DUMPCODE command has been issued, or a CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump nor a system dump for reason `reason`. Reasons `reason` indicates what caused dump suppression.  
• XDUREQ user exit.  
• Dump table option for this dump code.

The dump code `dumpcode` is the 4-character CICS transaction abend code.

**System action:** Neither a transaction nor a system dump is produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain makes such a request.

**User response:** If a transaction dump and/or a system dump is required for this dump code, perform the user action appropriate to the reason `reason` given in the message  
• If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or, as a more permanent measure change, the user exit program so it does not suppress the dump.  
• If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for this dump code.

**Module:** DFHDUDU  
**XMEOUT Parameters:** `date`, `time`, `applid`, `dumpcode`, `reason`  
**Destination:** CDUL

---

**DFHDU0208 applid SDUMP busy - CICS will retry in five seconds.**

**Explanation:** At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A non-zero value for the DURETRY parameter on the SIT means that CICS is waiting for five seconds before reissuing the SDUMP request.

**System action:** CICS issues an MVS STIMERM macro which caused CICS to stop for five seconds. The request is reissued when the delay interval has expired.

CICS will delay and retry every five seconds for a total time equal to the number of seconds specified on the DURETRY SIT parameter.

**User response:** None.

**Module:** DFHDUDU  
**Destination:** Console

---

**DFHDU0209 applid Retrying SDUMP.**

**Explanation:** At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHDU0208) and is now about to reissue the SDUMP request.

**System action:** CICS reissues the SDUMP request.

**User response:** None.

**Module:** DFHDUDU  
**Destination:** Console

---

**DFHDU0210 applid SDUMPX REQUEST FAILED - reason.**

**Explanation:** An MVS SDUMPX request from CICS signalled by message DFHDU0201 has failed to complete successfully. The possible reasons, `(reason)` for the failure are as follows

**SDUMPX RETURN CODE X'nn' REASON X'mm'**  
**SDUMPX BUSY**  
At the time of the MVS SDUMPX request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the DURETRY SIT parameter, CICS retries the SDUMPX request every five seconds for the specified period. This message is only issued if SDUMPX is still busy after the final retry.

**SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE**  
No SYS1.DUMP data sets were available at the time the SDUMPX request was issued.

**SDUMPX RETURN CODE X'nn' REASON = X'mm'**  
**STIMERM FAILED**  
In order to delay for five seconds before retrying SDUMPX after an SDUMPX BUSY condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.
NOT AUTHORIZED IN CICS
SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUSVC FESTAE FAILED
CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMPX request. The FESTAE has been rejected by MVS.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'
REMOTE DUMPS NOT TAKEN
CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request for dumps of related CICS systems. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. In this case CICS was unable to dump related CICS address spaces but has attempted to dump the local address space.

DFHDUSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDUSVC, contain invalid data.

System action: CICS proceeds as if the dump had been successful.

User response: The user response depends on the reason, (reason), for the failure.

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.
See the z/OS MVS Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn'. Use MVS problem determination methods to determine why a partial dump was taken.

SDUMPX RETURN CODE X'nn' REASON X'mm'
SDUMPX BUSY
Cause the SDUMP to be reissued after, if appropriate, increasing the value of the DURETRY system initialization parameter. See the z/OS MVS Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'
DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the z/OS MVS Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'
No action is required if the dump was suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the z/OS MVS Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason code X'mm'.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NOT AUTHORIZED IN CICS
This reason is unlikely to occur because SDUMPX is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUSVC FESTAE FAILED
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP request to be reissued.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'.
CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. See the z/OS MVS Authorized Assembler Services Reference for an explanation of the return and reason codes.

DFHDUSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDUSVC during the processing of the SDUMPX request, are invalid. The PROBDESC parameters have probably been accidentally overwritten.

Module: DFHDUDU
Destination: Console

DFHDU0211 applid THE XDUREQ USER EXIT IS NOT CALLED FOR DUMPCODE dumpcode.

Explanation: Because of a severe system error, the XDUREQ user exit (which allows you to suppress system dumps) has not been called for system dump dumpcode.

System action: The XDUREQ user exit is not called.

DFHDU0211 is followed either by message DFHDU0201, indicating that dump dumpcode was taken, or by message DFHDU0205, indicating that dump dumpcode was suppressed. Message DFHDU0201
or DFHDU0205 is followed by message DFHDU0309 if
CICS terminates.

The XDUREQ user exit is called for subsequent system
dumps.

**User response:** You need further assistance from IBM
to resolve this problem. See Part 4 of the *CICS Problem
Determination Guide* for guidance on how to proceed.

**Module:** DFHDUDU
**Destination:** Console

---

**DFHDU0212 applid Requested transaction dump code
dumpcode is invalid.**

**Explanation:** A requested transaction dump code has
unprintable characters, or has leading or imbedded
blanks.

**System action:** A transaction dump is produced unless
suppressed by the user exit XDUREQ. However, no
dump statistics are committed. The transaction dump is
complete when message DFHDU0203 is issued. The
invalid dump code is shown in dump domain (DU)
trace points X’0600 and X’0601.

**User response:** Print off the transaction dump and
determine how an abend or EXEC CICS request was
issued with an invalid dump code.

**Module:** DFHDUDU
**XMEOUT Parameters:** applid, dumpcode
**Destination:** Console

---

**DFHDU0213 REMOTE SDUMPX REQUEST FAILED
- reason.**

**Explanation:** A remote MVS SDUMPX request from
CICS has failed to complete successfully. The possible
reasons, *(reason)* for the failure are as follows

**DFHDUMPX AUTOMATIC STORAGE GETMAIN
FAILED.**

CICS issued an MVS GETMAIN for Subpool
253 storage during the processing of the
SDUMPX request. The GETMAIN has been
rejected by MVS.

**DFHDUMPX NOT RUNNING IN THE MASTER
ADDRESS SPACE.**

DFHDUMPX must run in the MASTER
address space. CICS stops processing the
remote SDUMPX request if it detects that
DFHDUMPX is running in another address
space.

**IWMWQWRK FOUND NO ADDRESS SPACES TO
DUMP.**

The MVS IWMWQWRK service found no
CICS address spaces with work relating to the
remote SDUMPX request.

**IWMWQWRK FAILED WITH A WARNING.**

CICS issued an MVS IWMWQWRK request
from DFHDUMPX during the processing of
the remote SDUMPX request. MVS has
rejected the IWMWQWRK request with a
warning return code.

**IWMWQWRK FAILED WITH AN ERROR.**

CICS issued an MVS IWMWQWRK request
from DFHDUMPX during the processing of
the remote SDUMPX request. MVS has
rejected the IWMWQWRK request with an
error return code.

**DFHDUMPX OUTPUT WORKAREA GETMAIN
FAILED.**

CICS issued an MVS GETMAIN for Subpool
253 storage during the processing of the
SDUMPX request. The GETMAIN has been
rejected by MVS.

**NO PROBDESC PARAMETERS SUPPLIED TO
DFHDUMPX.**

DFHDUMPX is invoked by MVS under the
IEASDUMP.QUERY exit. If MVS does not
supply the SDUMPX PROBDESC parameters
then DFHDUMPX is unable to determine
whether a remote dump should be taken or
suppressed.

**DFHDUMPX RECOVERY ROUTINE ENTERED**

An abnormal end (abend) or program check
has occurred in DFHDUMPX. This implies
that there is an error in CICS code.

Alternatively, unexpected data has been input,
or storage has been overwritten.

CICS adds diagnostic data to the MVS SDWA
and makes an entry in SYS1.LOGREC.

**System action:** CICS proceeds as if the dump had
been successful.

**User response:** The user response depends on the
reason, *(reason)*, for the failure.

**DFHDUMPX AUTOMATIC STORAGE GETMAIN
FAILED.**

Ensure sufficient storage is available to MVS
for subpool 253 requests.

**DFHDUMPX NOT RUNNING IN THE MASTER
ADDRESS SPACE.**

This reason is unlikely to occur because CICS
requests that the MVS CSV/DYNEX service
adds DFHDUMPX as an IEASDUMP.QUERY
exit in the MASTER address space.

If you do get this reason, there was probably
an error during CICS initialization.

Notify the system programmer.
DFHDU0214 • DFHDU0215

You will need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.
This is unlikely to be an error. DFHDUMPX is invoked on all the MVS images in a SYSPLEX for a remote SDUMPX request. Some of the images may not have any CICS address spaces with work relating to the CICS system which originated the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.
The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the z/OS MVS Authorized Assembler Services Reference for an explanation of the IWMWQWRK return code and reason.

IWMWQWRK FAILED WITH AN ERROR.
The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the z/OS MVS Authorized Assembler Services Reference for an explanation of the IWMWQWRK return code and reason.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED
Ensure sufficient storage is available to MVS for subpool 253 requests.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.
This is an error if the remote SDUMPX request was made by CICS for a system dump code which included the RELATED option, or if the operator entered a remote SDUMPX request which included PROBDESC parameters.

A GTF trace may aid in problem diagnosis. Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

DFHDUMPX RECOVERY ROUTINE ENTERED
Notify the system programmer.

To resolve the problem, collect any data from SYS1.LOGREC, any dumps and any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHDUMPX
Destination: Console

DFHDU0214 DFHDUMPX IS ABOUT TO REQUEST A REMOTE SDUMP.

Explanation: DFHDUMPX is called under the MVS IEASDUMP:QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if the following conditions are satisfied
• a dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found related CICS work on this MVS image or
• the operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found CICS jobs on this MVS image which match the DFHJOBN data.

System action: Processing continues.
User response: None.
Module: DFHDUMPX
Destination: Console

DFHDU0215 DFHDUMPX IS ABOUT TO SUPPRESS A REMOTE SDUMPX.

Explanation: DFHDUMPX is called under the MVS IEASDUMP:QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if it has found that a remote dump should be suppressed.

The remote dump is suppressed under the following conditions
• A dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found no related CICS work on this MVS image or
• The operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found no CICS jobs on this MVS image which match the DFHJOBN data.
The remote dump is also suppressed if an error occurred during the DFHDUMPX processing. Look for a previous DFHDU0213 message to find the reason for the error.

**System action:** Processing continues.

**User response:** To determine whether action is necessary refer to any DFHDU0213 message preceding this one.

**Module:** DFHDUMPX  
**Destination:** Console

---

**DFHDU0216 PROBDESC DOES NOT CONTAIN CICS DATA.**

**Explanation:** DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message if it has found that the SDUMPX PROBDESC parameters do not contain CICS data. It is probable that this is not an error and that the remote dump was requested by a product other than CICS. However, if you were expecting a CICS remote dump it could be that the PROBDESC parameters were accidentally overwritten.

**System action:** DFHDUMPX will request that MVS suppresses the remote dump and then processing continues.

**User response:** You need to take the action only if you were expecting a remote CICS dump.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHDUMPX  
**Destination:** Console

---

**DFHDU0302I applid Transaction Dump Data set dataset to be closed due to text-descr**

**Explanation:** This message is output when attempting to write a record to the transaction dump data set.  
**text-descr** is one of the following  
- DCB ABEND  
- TASK TIMEOUT  
- TASK CANCEL

**System action:** None unless **text-descr** is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

**User response:** Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

**Module:** DFHDUMPX  
**Destination:** Console

---

For an explanation of the SDUMPX return code X'04', see the *Assembly Services Guide*.

**Module:** DFHDUDDU  
**Destination:** Console

---

**DFHDU0302I applid Transaction Dump Data set dataset to be closed due to text-descr**

**Explanation:** This message is output when attempting to write a record to the transaction dump data set.  
**text-descr** is one of the following  
- DCB ABEND  
- TASK TIMEOUT  
- TASK CANCEL

**System action:** None unless **text-descr** is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

**User response:** Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

**Module:** DFHDUMPX  
**Destination:** Console
DFHDU0303I • DFHDU0306

Module: DFHDUIO
XMEOUT Parameters: applid, dataset, text-descr
Destination: Console

DFHDU0303I  applid  Transaction Dump Data set
            dataset closed.
Explanation: This message is issued in one of the following situations
• A request to close the dump data set is issued by the operator.
• The CICS system is shut down.
• A request to switch between dump data sets is issued by the operator.
• A transaction dump data set becomes full.

The insert dataset indicates the name of the data set being closed.

System action: Processing continues.

If autoswitching of the transaction dump data set is not active, the transaction dump environment is available only if the XDUOUT user-exit is active.

If autoswitching is enabled, this message is followed by DFHDU0304 and DFHDU0305 to indicate that the data set switch is successful.

If the switch is unsuccessful, this message is followed by DFHDU0306.

User response: None.

Module: DFHDUSU
XMEOUT Parameters: applid, dataset
Destination: Console

DFHDU0304I  applid  Transaction Dump Data set
            dataset opened.
Explanation: This message is output when any of the following situations occur
• A request to open the dump data set is issued by the operator.
• The CICS system is brought up.
• A request to switch between dump data sets is issued by the operator.
• Automatic switching between dump data sets is being performed.

dataset in the message indicates the name of the data set being opened.

System action: Processing continues.

User response: None.

Module: DFHDUSU
XMEOUT Parameters: applid, dataset
Destination: Console

DFHDU0305I  applid  Transaction Dump Data set
            switched to ddname

Explanation: This message is issued when one of the following situations occurs
• A command is issued by the operator to switch dump data sets.
• Automatic switching is being performed between dump data sets due to a dump data set being full.

This message is always preceded by message DFHDU0304 and also, if the old dump data set was open, by message DFHDU0303.

ddname in the message indicates the ddname of the active transaction dump data set (either DFHDMFA or DFHDMFB).

System action: Processing continues.

User response: Print or copy the completed dump data set, and if required, reissue the command CEMT SET DUMP AUTO.

Module: DFHDUSU
XMEOUT Parameters: applid, ddname
Destination: Console

DFHDU0306  applid  Unable to open Transaction Dump
            Data set dataset - text-descr

Explanation: This message occurs when attempting to open a transaction dump data set.

text-descr is one of

OPEN ERROR
An attempt was made to open the dump data set, and an abend exit was invoked. This condition is usually accompanied by MVS system messages.

INSUFFICIENT STORAGE
An MVS GETMAIN was issued to obtain storage below the 16MB line. This request was unsuccessful.

System action: An exception entry is made in the trace table.

In both cases, the transaction dump data set is not open, and unless the XDUOUT exit is active, the transaction dump is inoperative.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: See any associated MVS messages for further guidance.

Module: DFHDUIO
XMEOUT Parameters: applid, dataset, text-descr
Destination: Console
DFHDU0307 applid Module DFHDUIO is unavailable. Transaction dump is inoperative.

Explanation: This message is issued either when an attempt is made to open or close a dump data set, or when switching between dump data sets, to remind the user that CICS could not locate module DFHDUIO during initialization. CICS will have issued message DFHDU0102 during initialization to warn the user of this condition.

System action: CICS continues with the transaction dump facility inoperative.

User response: If necessary, refer to the user response for message DFHDU0102.

Module: DFHDUSU

XMEOUT Parameter: applid

Destination: Console

DFHDU0308I applid CICS will terminate because the Dump Table entry for the transaction dump code: dumpcode specifies shutdown.

Explanation: This message is issued when a transaction dump has been requested for the transaction dump code dumpcode and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a transaction dump table entry which requested the termination of CICS.

System action: CICS is terminated.

User response: Process any transaction dump in the normal way.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for dumpcode was explicitly defined, it can be modified to prevent CICS from terminating using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Module: DFHDUDU

Destination: Console

DFHDU0309I applid CICS will terminate because the Dump Table entry for the system dump code: dumpcode specifies shutdown.

Explanation: This message is issued when a system dump has been requested for the system dump code dumpcode and the associated dump table entry specifies that CICS should be terminated.

System action: CICS is terminated.

User response: Process any transaction dump in the normal way.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for dumpcode was explicitly defined, it can be modified to prevent CICS from terminating, if desired, using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Module: DFHDUSU

Destination: Console

DFHDU1601 DATA SET READ ERROR.

Explanation: The access method has indicated a read error. The dump data set may not have been opened during the most recent CICS execution.

System action: The record is skipped.
DFHDU1602 • DFHDU1610

**User response:** Either ensure that the JCL is correct, or determine the reason for the read errors.

**Module:** DFHDU670

**Destination:** Console

---

### DFHDU1602 36 CONSECUTIVE UNIDENTIFIABLE RECORDS, DUMP UTILITY TERMINATED.

**Explanation:** An identification record has an incorrect code or format. The most common reasons for this error include the following:

- The wrong data set is being processed.
- The dump data set that the utility is trying to process has not been used in the current CICS execution.

In the latter case, the error would arise because no dumps were produced in the current execution or because the data sets had been switched.

**System action:** Records are skipped and execution is terminated with a return code of 8.

**User response:** Ensure that the correct data set is being processed. Alternatively, check for a possible error in the dump control program, DFHDCP.

If two dump data sets are being used, check that the data set being processed has been used before in the current CICS execution.

**Module:** DFHDU670

**Destination:** Console

---

### DFHDU1603 NO (DUMP | PRINT) DATA SET DD CARD (DFHDMPDS | DFHPRINT), DUMP UTILITY TERMINATED.

**Explanation:** A dump or a print data set was not successfully opened.

**System action:** If it was a dump data set that failed to open successfully, the system prints the message on the print data set and terminates execution with a return code of 12.

If it was the print data set that failed to open successfully, the system terminates execution with a return code of 16.

**User response:** If the JCL is correct with the stated ddnames as in the message, determine why the data set cannot be opened. The return codes are issued by DFHDU670. They only identify whether a dump or print data set failed.

**Module:** DFHDU670

**Destination:** Console

---

### DFHDU1604 END OF FILE ENCOUNTERED, LAST DUMP MAY BE INCOMPLETE.

**Explanation:** The dump data set has been filled.

**System action:** The dump utility program DFHDU670 terminates.

**User response:** Check that the dump is complete and that no incomplete message is at the end of it. If there is an incomplete message at the end of the dump, the last dump in the data set may not contain all the information required. You should recreate the problem to try and get a complete dump. If dump data set auto-switching was active at the time the dump was taken, a complete version of the dump is present on the alternate dump data set.

**Module:** DFHDU670

**Destination:** Console

---

### DFHDU1609 36 READ ERRORS ENCOUNTERED. DUMP UTILITY TERMINATED.

**Explanation:** The access method has indicated 36 invalid records in the dump data set. The most probable cause of this problem is an invalid end-of-file marker which caused the access method to attempt to read beyond the last record in the data set. This problem may also have been caused if:

- DFHDU670 has been run with a data set that has never been accessed by CICS before. The data set may contain an invalid type of record format.
- DFHDU670 has been run with a data set that has been copied with the wrong block size and record format.

**System action:** The dump utility execution is terminated with a return code of 8 from DFHDU670.

**User response:** Determine and correct the reason for the access failure. Recreate the dump if necessary.

**Module:** DFHDU670

**Destination:** Console

---

### DFHDU1610 DUMP FORMATTING HAS ENCOUNTERED AN INVALID TRACE BLOCK. TRACE ENTRIES MAY BE LOST.

**Explanation:** The dump utility program, DFHDU410, has detected an error while copying trace records from the trace data set. Trace records may be omitted from the formatted output.

**System action:** DFHDU410 attempts to read the next trace block and continues formatting trace records.

**User response:** To resolve the problem, keep the dump and contact your IBM Support Center. Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide.
**Guide.** If you are not familiar with this process, refer to the guide before contacting IBM.

**Module:** DFHDU670  
**Destination:** Console

---

**DFHDU1611**  
**FILE ERROR, FULL TRACE FAILED.**  
**DUMP FORMATTING WILL CONTINUE WITH ABBREVIATED TRACE.**

**Explanation:** Due to an error in the MVS NOTE macro, the dump utility program, DFHDU670 was unable to note the position on the data set at which the trace data started. It is therefore not possible to return to the start of the trace data after the abbreviated trace has been formatted in order to print the trace with format FULL.

**System action:** Transaction dump formatting continues with only abbreviated trace for this dump.

**User response:** If only the full trace is required, rerun the DFHDU410 job with the NOABBREV parameter. Otherwise attempt to recreate the dump. If the problems recurs, keep the dump and contact your IBM Support Center. Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide. If you are not familiar with this process, refer to the guide before contacting IBM.

**Module:** DFHDU670  
**Destination:** Console

---

**DFHDXnnnnn messages**

**DFHDX8300I**  
**applid GETMAIN REQUEST FAILED.**  
**NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

**Explanation:** The CICS system, with specific applid given, was unable to obtain working storage to control the sequencing of DBCTL connection attempts defined in the RST. (Recovery Service Table).

**System action:** CICS attempts to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

**User response:** The working storage can be above the 16MB line so the GETMAIN request is unlikely to fail for genuine lack of space. If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

**Module:** DFHDXAX  
**Destination:** Console

---

**DFHDX8301I**  
**applid LOAD REQUEST FAILED FOR rstname.**  
**NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

**Explanation:** The CICS system, with the specific applid given, was unable to load the RST rstname while looking for the names of alternative DBCTL subsystems to which to connect.

**System action:** CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

**User response:** Check that the RST suffix in the SIT is correct and that the RST has been correctly prepared using the DFHRST macro that is supplied as part of the CICS product.

**Module:** DFHDXAX  
**Destination:** Console

---

**DFHDX8302I**  
**applid DELETE REQUEST FAILED FOR rstname.**

**Explanation:** The CICS system, with the specific applid given, was unable to delete the RST rstname after completing an attempt to connect to a DBCTL subsystem.

**System action:** CICS continues normally.

**User response:** If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

**Module:** DFHDXAX  
**Destination:** Console

---

**DFHDX8303**  
**applid CICS/DBCTL RECONNECTION IN PROGRESS.**

**Explanation:** This message occurs in an XRF environment only. It occurs when CICS attempts to connect to DBCTL but believes that DBCTL is restarting.
The message is displayed two minutes after the attempted connection, and then after each subsequent minute.

**System action:** CICS continues to attempt to reconnect.

**User response:** Check why DBCTL is not restarting. You can cancel the connection using the CDBC transaction.

**Module:** DFHDXAX

**Destination:** Console

---

**DFHDX8309**  
**applid** Unable to detach subtask during CICS termination.

**Explanation:** CICS has detected that a subtask, attached during CICS XRF support of DBCTL, cannot be detached during CICS termination.

**System action:** CICS abends with code A03.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** None. This abend occurs as a result of a previous error. Check for earlier DFHDX832x, DFHDX833x, or DFHDX834x error messages for further information and guidance.

**Module:** DFHAPDM

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHDX83101**  
**applid** Initiating catch-up tasks.

**Explanation:** The catch-up transaction, CXCU, has received control.

**System action:** The catch-up transaction is about to initiate the catch-up tasks for specific functional areas.

**User response:** None. This is simply a “work is in progress” message. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:** DFHCXCU

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHDX83111**  
**applid** System initialized with XRF=NO. Catch-up transaction CXCU took no action.

**Explanation:** The catch-up transaction, CXCU, was invoked but the CICS system specified XRF=NO. Catchup functions are not relevant.

**System action:** The catch-up transaction terminates normally without taking any action.

**User response:** None.
DFHDX8315I applid XRF DBCTL state catch-up starting.

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been started on the CICS system with specific applid named.

System action: None.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHDXCU

XMEOUT Parameters: applid

Destination: Console

DFHDX8316I applid XRF DBCTL state catch-up ending.

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been completed on the CICS system with specific applid given.

System action: None.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHDXCU

XMEOUT Parameters: applid

Destination: Console

DFHDX8317I applid XRF DBCTL state catch-up ignored for reason nn.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

Although this system has DL/I installed, and an RST has been specified in the SIT, catch-up for DBCTL has proved unnecessary for reason nn, where nn may be one of the following.

Reason Meaning
01 DBCTL has not been used yet.
02 XRF DBCTL has not been used yet.
03 There is no connection state information to send.
04 The system is running with XRF=NO.
05 There is no alternate CICS to which to send state data.

System action: None. No catch-up is needed.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHDXCU

DFHDX8318I applid XRF DBCTL state catch-up failed for reason nn.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed for reason nn, where nn may be one of the following.

Reason Meaning
01 The CAVM message service returned an unidentifiable return code.
02 The CAVM message service returned an unexpected exception return code.
03 The CAVM message service returned an unexpected failure reason code.

System action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXB.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Check for any other messages relating to CAVM data set problems for further information and guidance.

Module: DFHDXCU

DFHDX8319I applid XRF DBCTL state catch-up failed.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed.

System action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXA.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Diagnose the error from the dump.

Module: DFHDXCU

XMEOUT Parameters: applid

Destination: Console
**DFHDX8320I**  DBCTL Restart processing completed after DBCTL failure.

**Explanation:** The user exit XXDFA requested a restart of DBCTL. The restart was initiated successfully.

**System action:** The active CICS continues normally and will attempt to reconnect to DBCTL.

**User response:** None. You can suppress this message with the SIT parameter, MSG_LVL=0.

**Module:** DFHDBCT

**XMEOUT Parameter:** applid

**Destination:** Console

**DFHDX8321**  applid Unable to determine JES affiliation of DBCTL subsystem for reason X’nn’.

**Explanation:** CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

**nn** may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’09’</td>
<td>MVS GETMAIN failure.</td>
</tr>
<tr>
<td>X’10’</td>
<td>MVS ATTACH failure.</td>
</tr>
</tbody>
</table>

**System action:** The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

**User response:** None.

**Module:** DFHDBCT

**XMEOUT Parameters:** applid, X’nn’

**Destination:** Console

**DFHDX8322**  applid LOAD request failed for xxxxxxx. DBCTL/XRF support will not be provided for this connection.

**Explanation:** CICS has been notified of a DBCTL failure, but has been unable to load the specified Recovery Service Table (RST) to determine if XRF support is required.

**System action:** CICS continues as if no XRF support had been requested for the failing DBCTL subsystem.

**User response:** Re-link-edit a valid RST into STEPLIB. DBCTL may have to be restarted manually.

**Module:** DFHDBCT

**XMEOUT Parameters:** applid, xxxxxxx

**Destination:** Console

**DFHDX8323**  applid Unable to complete search for DBCTL alternate.

**Explanation:** CICS has been notified of a DBCTL failure, but has been unable to complete the search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

**System action:** CICS continues as if no DBCTL alternate had been found. An ADDI transaction dump will be produced. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

It may be necessary to restart DBCTL manually.

**Module:** DFHDBCT

**XMEOUT Parameters:** applid, x’nn’

**Destination:** Console

**DFHDX8324**  applid Unable to restart DBCTL xxxxxxx for reason X’nn’.

**Explanation:** CICS was unable to restart DBCTL owing to an internal failure indicated by the value of n.

**n** may be one of the following.

<table>
<thead>
<tr>
<th>n</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’08’</td>
<td>An MVS GETMAIN failed.</td>
</tr>
<tr>
<td>X’09’</td>
<td>An MVS ATTACH failed.</td>
</tr>
</tbody>
</table>

**System action:** The active CICS continues but was not able to restart DBCTL automatically. However, it will attempt to reconnect to DBCTL in the normal way.

**User response:** It may be necessary to restart DBCTL manually.

**Module:** DFHDBCT

**XMEOUT Parameters:** applid, xxxxxxx, X’nn’

**Destination:** Console

**DFHDX8325**  applid Restart command issued unsuccessfully to subsysid for reason X’xx’ X’yy’.

**Explanation:** The user exit XXDFA requested a restart of DBCTL. The restart request was issued to subsysid but was rejected with hexadecimal reason codes X’xx’ and X’yy’.

**System action:** The active CICS continues normally and will attempt to reconnect to DBCTL.

**User response:** It may be necessary to restart DBCTL manually.

**Module:** DFHDBCT
DFHDX8326  applid DBCTL state message lost owing to message services error.

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the alternate.

System action: The active system writes an error entry in its CAVM status record, but otherwise continues normally.

User response: Check for any other messages relating to CAVM data set problems.

Were the CICS alternate to take over now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience. It may be preferable to cancel the alternate and restart it, either manually or via an overseer.

Module: DFHDBCT

DFHDX8327  applid DBCTL state message lost owing to CAVM services failure.

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the overseer.

System action: Processing continues.

User response: Check for any other CICS messages relating to CAVM data set problems (DFH66xx).

Were the overseer to oversee a takeover now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience.

If the overseer is being used to control XRF takeovers then disconnecting and reconnecting to the DBCTL will cause a re-write of the status record.

Module: DFHDBCT

DFHDX8328  applid Unable to determine JES affiliation of (jobname, jobid).

Explanation: CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

System action: The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User response: It is recommended that DBCTL should be run under the same JES as the active CICS system.

The message indicates that either a system or set-up problem has occurred. If there is a system problem then message DFHDX8321 will also be displayed.

Module: DFHDBCT

DFHDX8329  applid Restart request after DBCTL failure ignored for reason X'nn'.

Explanation: The user exit XXDFA requested a restart of DBCTL. This request has been ignored for the reason indicated by nn.

The reason code nn should be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'09'</td>
<td>There is no alternate DBCTL to be restarted.</td>
</tr>
<tr>
<td>X'10'</td>
<td>Possibly, the DBCTL subsystem is under a different JES from the active CICS system.</td>
</tr>
<tr>
<td>X'11'</td>
<td>The DBCTL subsystem was an IMS DB/DC system.</td>
</tr>
</tbody>
</table>

System action: The active CICS continues as if the user exit had indicated 'no action'.

User response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

Module: DFHDBCT

DFHDX8330  applid IMS DB/DC region has requested XRF support.

Explanation: This message is produced when CICS connects to an IMS system for which the user has requested XRF support (via the RST), but which is unable to participate in XRF. For example, in an IMS/DC system without the XRF option.

System action: The system continues to run without XRF.

User response: Either enable IMS/DC for XRF, or remove SSID from RST.

Module: DFHDBCT

Chapter 4. DFH messages - DFH01 to DFHM
**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

System action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

User response: In the event of a takeover it may be necessary to restart DBCTL manually.

Module: DFHDBC

**(DFHDX8331)** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBC

**DFHDX8331** applid CAVM message input service error xxxxxxx, X'nn', xxxxxxx.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.
**Destination:** Console

**DFHDX8335** applid Unable to complete search for DBCTL alternate.

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

**System action:** The tracking transaction continues as if no DBCTL alternate had been found. An ADMD transaction dump will be produced.

**User response:** In the event of a takeover it may be necessary to restart DBCTL manually.

**Module:** DFHDBCRCR

**XMEOUT Parameters:** applid

**Destination:** Console

**DFHDX8336** applid Unable to provide DBCTL/XRF support for reason X'mn'.

**Explanation:** The user exit XXDFB or XXDTO requested a restart of DBCTL. This request has been ignored for the reason indicated by the value of nn. n may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'46'</td>
<td>No valid RST was found. Refer to DFHDX8334.</td>
</tr>
<tr>
<td>X'50'</td>
<td>DBCTL subsystem is an IMS DB/DC system.</td>
</tr>
<tr>
<td>X'51'</td>
<td>There is no alternate DBCTL to be restarted.</td>
</tr>
<tr>
<td>X'52'</td>
<td>The DBCTL subsystem is, or may be, under a different JES from the active CICS system.</td>
</tr>
<tr>
<td>X'53'</td>
<td>The active CICS system has already attempted a restart of DBCTL.</td>
</tr>
</tbody>
</table>

**System action:** The alternate CICS continues as if the user exit had indicated 'no action'.

**User response:** Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options. The message indicates that a CICS internal error has occurred, normally as a result of an earlier problem. It may be necessary to initiate a manual CICS takeover.

**Module:** DFHDBCRCR

**XMEOUT Parameters:** applid, X'mn'

**Destination:** Console

**DFHDX8338** applid Unable to issue command command to subsysid for reason X'mn'.

**Explanation:** The user exit XXDFB/XXDTO issued a restart request to the DBCTL/XRF tracking task, the task was unable to process the request for the reason indicated in the message.

The issued command should either be a switch system backup command or an ERE command.

The reason code X'mn' should be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'09'</td>
<td>MVS GETMAIN failure</td>
</tr>
<tr>
<td>X'10'</td>
<td>MVS ATTACH failure.</td>
</tr>
</tbody>
</table>

**System action:** The takeover continues.

**User response:** Restart the DBCTL subsystem manually.

**Module:** DFHDBCRCR

**XMEOUT Parameters:** applid, command, subsysid, X'mn'

**Destination:** Console

**DFHDX8339** applid command command issued unsuccessfully to subsysid for reason X'mn'.

**Explanation:** The DBCTL/XRF tracking task issued a restart command (either switch or ERE) to an alternate DBCTL subsystem but the request was rejected for reason nn.

XXDFB or XXDTO requested CICS takeover with DBCTL. The error was detected when the request was made.

**System action:** The takeover continues.

**User response:** Restart the DBCTL subsystem manually.

**Module:** DFHDBCRCR

**XMEOUT Parameters:** applid, command, subsysid, X'mn'

**Destination:** Console
DFHDX8340  applid DBCTL tracking task started in an invalid environment reason X’nn’.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code X’nn’ may be one of the following:

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’65’</td>
<td>XRF=NO specified in the SIT.</td>
</tr>
<tr>
<td>X’67’</td>
<td>CICS system is running as active.</td>
</tr>
<tr>
<td>X’69’</td>
<td>MVS GETMAIN failure.</td>
</tr>
</tbody>
</table>

System action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

User response: The user response depends on the reason code issued.

For reasons X’65’ and X’67’, there is a possible error in CICS code. In this case you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

For reason X’69’, specify a smaller overall size limit for the EDSAs.

Module: DFHDBCR

XMEOUT Parameters: applid, X’nn’

DFHDX8341I  applid Takeover request accepted.

Explanation: The DBCTL/XRF tracking task issued a takeover request due to a request from user exit XXDFB. The request has been accepted.

System action: The takeover continues.

User response: None. You can suppress this message with the system initialization parameter MSGLEVEL = 0.

Module: DFHDBCR

XMEOUT Parameter: applid

Destination: Console

DFHDX8342I  applid Restart command issued successfully.

Explanation: The DBCTL/XRF tracking task issued a restart command to an alternate DBCTL subsystem due to a request from user exit XXDFB/XXDTO. The request was issued successfully.

System action: Takeover continues.

User response: None. You can suppress this message with the system initialization parameter MSGLEVEL = 0.

Module: DFHDBCR

XMEOUT Parameter: applid

Destination: Console

DFHECnnnnn messages

DFHEC0001  applid An abend (code aaaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this component. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME00116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHECEB, DFHECEC, DFHECEI, DFHECIN, DFHECIS, DFHECRL, DFHECSE

XMEOUT Parameters: applid, aabb/bb, X'offset', modname

Destination: Console

DFH0002 A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID that uniquely identifies what the error is and where the error was detected.

System action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS might be terminated by the caller. A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This message indicates a possible error in CICS code. The severity of the impact depends on the importance of the function being performed at the time of the error.

CICS might not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring down CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring down CICS in a controlled manner.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHECDE, DFHECEB, DFHECEC, DFHECEI, DFHECIN, DFHECIS, DFHECRL, DFHECRP, DFHECSE, DFHECSC

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFH0004 A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHECIN1

XMEOUT Parameters: applid, X'offset', modname

Destination: Console

DFH0007 date time applid Invalid parameter list passed to EC component module modname.

Explanation: A call was made to module modname of the Event Capture (EC) component of the AP domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

System action: An exception trace is written by EC component, a system dump is taken, and the task in
DFHEC1001 • DFHEC1004

progress is abnormally terminated. Message DFHEME0116 should be produced containing the symptom string for this problem.

User response: Use the dump to determine the fault in the calling component.

Module: DFHECEB, DFHECEC, DFHECEI, DFHECIS, DFHECRL, DFHEESC, DFHECSE

XMEOUT Parameters: date, time, applid, modname

Destination: CECO

DFHEC1001 date time applid EVENTBINDING evbname from BUNDLE bundle installed successfully.

Explanation: An EVENTBINDING of name evbname from BUNDLE bundle has been successfully installed into this system.

System action: Processing continues.

User response: None required.

Module: DFHECRL

XMEOUT Parameters: date, time, applid, evbname, bundle

Destination: CECO

DFHEC1002 date time applid EVENTBINDING evbname from BUNDLE bundle discarded successfully.

Explanation: An EVENTBINDING of name evbname from BUNDLE bundle has been successfully discarded and removed from this system.

System action: Processing continues.

User response: None required.

Module: DFHECRL

XMEOUT Parameters: date, time, applid, evbname, bundle

Destination: CECO

DFHEC1003 date time applid The CICS event capture component failed to create the EVENTBINDING resource evbname in BUNDLE bundle because [the event binding name is invalid. | XML data in the event binding could not be parsed. | the eventDispatcher is missing or invalid. | the EPADAPTER create failed. | the eventBinding is invalid. | there are no capture specifications. | the EVENTBINDING is a duplicate in the BUNDLE.]

[1=the event binding name is invalid., 2=XML data in the event binding could not be parsed., 3=the eventDispatcher is missing or invalid., 4=the EPADAPTER create failed., 5=the eventBinding is invalid., 6=there are no capture specifications., 7=the EVENTBINDING is a duplicate in the BUNDLE.]

Destination: CECO

DFHEC1004 date time applid Event processing found invalid data address X’address’ while capturing data for CAPTURESPEC csname of EVENTBINDING evbname in capture data item description at offset offset with length length.
**Explanation:** Event processing found invalid data address `address` while capturing data for CAPTURESPEC `csname` of EVENTBINDING `evbname` in capture data item `description` at offset `offset` with length `length`.

**System action:** Processing continues.

**User response:** Improve the capture specification to prevent this error and redeploy the event binding to CICS.

**Module:** DFHECEC

**XMEOUT Parameters:** `date`, `time`, `applid`, `X'address'`, `csname`, `evbname`, `description`, `offset`, `length`

**Destination:** CECO

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**DFHEC1005** `date time applid` Event processing found invalid data address `X'address'` while filtering events for CAPTURESPEC `csname` of EVENTBINDING `evbname` in filter item `description` at offset `offset` with length `length`.

**Explanation:** Event processing found invalid data address `address` while filtering events for CAPTURESPEC `csname` of EVENTBINDING `evbname` in filter item `description` at offset `offset` with length `length`.

**System action:** Processing continues.

**User response:** Improve the capture specification to prevent this error and redeploy the event binding to CICS.

**Module:** DFHECEC

**XMEOUT Parameters:** `date`, `time`, `applid`, `X'address'`, `csname`, `evbname`, `description`, `offset`, `length`

**Destination:** CECO

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**DFHEC1006** `applid` Event processing status is `STARTED` | `DRAINING` | `STOPPED`.

**Explanation:** This message is issued when the event processing status is changed.

**System action:** Processing continues.

**User response:** The user can change the event processing status whenever required.

**Module:** DFHECRP DFHECIS

**XMEOUT Parameters:** `applid`, `[1=STARTED, 2=DRAINING, 3=STOPPED]`

**Destination:** Console

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**DFHEC1008** `date time applid` Event processing found invalid zoned data `X'data'` while filtering events for CAPTURESPEC `csname` of EVENTBINDING `evbname` in filter item `description` at offset `offset` with length `length`.

**Explanation:** Event processing found invalid zoned data `data` while filtering events for CAPTURESPEC `csname` of EVENTBINDING `evbname` in filter item `description` at offset `offset` with length `length`.

**System action:** Processing continues.

**User response:** Improve the capture specification to prevent this error and redeploy the event binding to CICS.

**Module:** DFHECEC

**XMEOUT Parameters:** `date`, `time`, `applid`, `X'data'`, `csname`, `evbname`, `description`, `offset`, `length`

**Destination:** CECO

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**DFHEC1009** `date time applid` The CICS event capture component found an inconsistency in one or more values during install of EVENTBINDING `evbname` in BUNDLE `bundle` because the capture specification `capspec` has an overlength format `Precision` in data item `|` has an invalid format `length` in data item `idataltem`.

**Explanation:** A potentially incompatible value was found during install of event binding `evbname` in bundle `bundle`. One or more attributes may be specified incorrectly in data item `idataltem` in capture specification `capspec`. Possible reasons include
Overlength formatPrecision
The formatPrecision value of a capture data item is too big for the formatlength and/or formatType of the item. For example, it may be too big for
the formatlength of a numeric item when sign, decimal point and leading digit are taken into account.
the formatlength of a scientific item when signs for both mantissa and exponent are taken into account.
the maximum precision of a scientific item. Hexadecimal floating point has a maximum precision of 6 for short (fullword) and 15 for long (doubleword) floating point.

Invalid formatlength
The formatlength of a capture data item is invalid for the capture data type. This message is issued when
the format length of HEX data doesn’t allow space for a leading 0x
the format length of HEX data isn’t a multiple of 2 sign.
the format length of numeric data doesn’t allow space for a sign.

Note: When formatted by the IBM supplied EP adapters, negative data is prefixed with a minus sign. When formatted into one of the XML formats by the IBM supplied EP adapters, positive data is not prefixed with a plus sign but positive data in the CFE or CCE formats is prefixed with a plus sign.

System action: An exception entry is made in the trace table.
The event binding is installed. The IBM supplied EP adapters may be unable to format the item and might replace it with asterisks.
Message DFHME0116 should be produced containing the symptom string for this problem.
User response: Inconsistencies in the format definition of the event specification are tolerated to allow flexibility for custom EP adapters. If IBM supplied adapters are in use, format definition problems should be corrected before using the EVENTBINDING to capture events. Other problems may be caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding, discard the bundle and reinstall it.
Module: DFHECRL
XMEOUT Parameters: date, time, applid, evbname, bundle, capspec, {1=has an overlength formatPrecision in data item: , 2=has an invalid formatlength in data item: }, dataItem

Destination: CECO
The CICS event capture component failed to create the EVENTBINDING resource `evbname` in BUNDLE `bundle` because the capture specification `capspec` has an invalid event name | exceeds the maximum number of data items | contains invalid capture data type, item number | has an invalid business information name | has an overlength formatPrecision in data item | has an invalid captureDataPrecision in data item | has an invalid captureLength in data item | has an invalid formatdataType in data item | has an invalid formatLength in data item | has an invalid captureDataType in data item | has a filter with an invalid filterOperator | has a filter with an invalid keyword | has a filter with an invalid filterValue | has an invalid context capture item | has an invalid capturePoint | `error_data`.

**Explanation:** An error has occurred creating event binding `evbname` in bundle `bundle` due to a problem with capture specification `capspec`. Possible reasons include:

**Event name is invalid**
The acceptable 1-32 characters of an event name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name may not begin with 0-9, _ or the characters xml (in any case).

**Exceeds the maximum number of data items**
The number of capture data items is bounded by the maximum size of the EPDE descriptor which must fit into a global catalog record.

**Invalid capture data type**
Capture data item number `error_data` is of an unknown or unsupported type.

**Business information name is invalid**
The acceptable 1-32 characters of a business information name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name may not begin with 0-9, _ or the characters xml (in any case).

**Invalid formatPrecision**
The formatPrecision value of a capture data item is too large for the format length of the item when decimal point and leading digit are taken into account.

**Invalid captureDataPrecision**
The capture data precision exceeds the total number of digits captured.

**Invalid captureLength**
The capture data length is invalid for the capture data type. Numeric capture data types have the following restrictions:
- PACKED must be between 1-16 bytes
- ZONED must be between 1-32 bytes
- UHWORD must be 2 bytes
- UFWORD must be 4 bytes
- SHWORD must be 2 bytes
- SFWORD must be 4 bytes
- HEXFLOAT must be 4 or 8 bytes
- BINFLOAT must be 4 or 8 bytes
- DECFLOAT must be 4 or 8 bytes

**Invalid formatDataType**
The format data type is unsupported or invalid for the capture data type. For example, a format data type of scientific is only valid for one of the xxxFLOAT capture data types.

**Invalid formatLength**
The formatted data length is invalid for the format type. For example, a format type of scientific requires space for the mantissa, 'E' and the exponent: a minimum of 3 bytes. A format length must be specified for floating point capture data unless it has a format type of scientific.

**Invalid context capture item**
The context capture item is invalid or unsupported for the capture point.

**Invalid capture point**
The capture point name is invalid or is not a supported system capture point.

**System action:** An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this message might indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the bundle, and reinstall it.

**Module:** DFHECRL

**XMEOUT Parameters:** `date, time, applid, evbname, bundle, capspec` (1= has an invalid event name , 2= exceeds the maximum number of data items , 3= contains invalid capture data type)
DFHEC1013 • DFHEC1022

data type, item number , 4=has an invalid business information name , 5=has an overlength formatPrecision in data item , 6=has an invalid captureDataPrecision in data item , 7=has an invalid captureLength in data item , 8=has an invalid formatDataType in data item , 9=has an invalid formatLength in data item , 10=has an invalid captureDataType in data item , 11=has a filter with an invalid filterOperator , 12=has a filter with an invalid keyword , 13=has a filter with an invalid filterValue , 14=has an invalid context capture item , 15=has an invalid capturePoint }, error_data

Destination: CECO

DFHEC1013 date time applid The CICS event capture component failed to create the EVENTBINDING resource evbname in BUNDLE bundle because (the LOCALCCSID SIT parameter is not supported \ the event binding schema level is not supported \ the event binding USERTAG is invalid \ the EP adapter name is invalid \ of an invalid numeric filter value ) error_data

Explanation: An error has occurred creating event binding evbname in bundle bundle. Possible reasons include
LOCALCCSID SIT parameter is not supported
Event processing uses the LOCALCCSID system initialization parameter as the default CCSID for code page conversion of character data. It must be a CICS supported single or multibyte EBCDIC CCSID.

Schema level is not supported
The CICSEPSchemaVersion and CICSEPSchemaRelease of the event binding error_data must not be higher than the schema level supported by this release of CICS. The schema level can be found using the INQUIRE EVENTPROCESS command.

USERTAG is invalid
The acceptable 1-8 characters of a userTag are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

EP adapter name is invalid
The eventAdapterName in the event binding XML is invalid. The adapter name has the same restrictions as the userTag mentioned previously.

Invalid numeric filter value
The value is invalid for a numeric filter predicate.

System action: An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This message is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this message might indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the bundle, and reinstall it.

Module: DFHECRL

XMEOUT Parameters: date, time,applid, evbname, bundle, \{1=the LOCALCCSID SIT parameter is not supported , 2=the event binding schema level is not supported , 3=the event binding USERTAG is invalid , 4=the EP adapter name is invalid , 5=of an invalid numeric filter value \}, error_data

Destination: CECO

DFHEC1016 date time applid EVENTBINDING evbname from BUNDLE bundle installed successfully, replacing a previously installed version.

Explanation: An EVENTBINDING named evbname from BUNDLE bundle has been successfully installed. It replaced a previously installed EVENTBINDING of the same name.

System action: Processing continues.

User response: None required.

Module: DFHECRL

XMEOUT Parameters: date, time,applid, evbname, bundle

Destination: CECO

DFHEC1022 date time applid Event emission failed for EVENTBINDING evbname because the EPADAPTER adapterName is unavailable.

Explanation: Event emission for EVENTBINDING evbname is not possible because the EPADAPTER adapterName is disabled or not installed.

Events are not emitted for this event binding until the EP adapter is installed and enabled.

Event processing events that are configured for synchronous emission but are not successfully emitted will cause the originating unit of work to be backed out at the next sync point.

System action: Processing continues.

If the EP adapter is disabled and the emission mode is synchronous, capturing events for this event binding causes capturing units of work to be backed out at the next sync point.

User response: Install and enable the EPADAPTER. If events are not required disable the EVENTBINDING.
Module: DFHECSC

DFHEC026 applid CEPF is stopping Event Processing after a severe error.

Explanation: A previously reported error caused the CEPF task to terminate and restart.

System action: CEPF instructs EP domain to drain its dispatcher queues and event processing is stopped.

User response: This message indicates a possible error in the CICS code. Event processing can be started again by issuing a SET EVENTPROCESS command. If the problem persists, you might need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHECSC

DFHEC2100 applid Program DFHECRP cannot be found.

Explanation: CICS cannot link to the Event Capture restart program (DFHECRP).

CICS cannot find DFHECRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action: CICS initialization terminates with message DFHSI1521 and a dump is taken.

User response: To correct this error, place DFHECRP in a partitioned data set in the DFHRPL DD statement.

Module: XMEOUT Parameter: applid

Destination: Console

DFHEC3100 date time applid An error (code X’code’) has occurred during creation of capture specification cs_name in event binding evb_name.

Explanation: An error has occurred creating event capture specification cs_name. The code X’code’ is the exception trace point ID which uniquely identifies the error and where it was detected, for example
- 35AE Conversion error during packed decimal conversion.
- 35B6 Incorrect values specified in command response filter.
- 35B7 Incorrect mask length - The data provided for comparison was longer than the target datatype allows in the filter.

System action: An exception entry (code X’code’ in the message) is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.
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Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, X'code', cs_name, evb_name

Destination: CECO

DFHEC3101 date time applid Invalid or unsupported codepage (codepage) found in capture specification cs_name in event binding evb_name.

Explanation: There was a problem converting the specified codepage into a CICS CCSID (Coded Character Set ID). CICS does not support the codepage specified, or it is an invalid name.

System action: An exception entry in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Check the codepage specified in the event binding for the capture data. Check the codepage is listed as supported in the CICS Information Center, and that it has been entered correctly. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, codepage, cs_name, evb_name

Destination: CECO

DFHEC3102 date time applid Invalid API Command (command) specified in capture specification cs_name in event binding evb_name.

Explanation: An invalid API command was specified in the event binding XML configuration file. The operator is used when comparing the provided filter data with the API parameter at runtime, and it is not of the expected type for that parameter. Valid operators include
- EQ Equality
- NEQ Non-equality
- GT/LT Greater-Than/Less-Than
- GTE/LTE Greater-Than-or-Equal/Less-Than-or-Equal
- EXS/NEX Existence/Non-existence
- SW/NSW Starts-with/Not-Starts-With
- OFF Filter not active

System action: An exception entry (code X'code' in the message) is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, command, cs_name, evb_name

Destination: CECO

DFHEC3103 date time applid Invalid comparison operator (code) specified in capture specification cs_name in event binding evb_name.

Explanation: An invalid operator was specified in the event binding XML configuration file. The operator is used when comparing the provided filter data with the API parameter at runtime, and it is not of the expected type for that parameter. Valid operators include
- EQ Equality
- NEQ Non-equality
- GT/LT Greater-Than/Less-Than
- GTE/LTE Greater-Than-or-Equal/Less-Than-or-Equal
- EXS/NEX Existence/Non-existence
- SW/NSW Starts-with/Not-Starts-With
- OFF Filter not active

System action: An exception entry (code X'code' in the message) is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, code, cs_name, evb_name

Destination: CECO
**Explanation:** The command specified in capture spec cs_name of event binding evb_name is not event enabled, or not event enabled as either a pre or post API command. This means that CICS cannot perform filtering for it at the location requested. Not all CICS API calls are exposed for business event filtering, and those that are may not be exposed for filtering both before and after execution of the API call.

**System action:** An exception entry is made in the trace table. The event binding is not created.

An exception response is returned to the caller of this function and the event binding create is terminated. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding, discard and reinstall the bundle containing it.

**Module:** DFHECEI

**XMEOUT Parameters:** date, applid, [1=PRE_API, 2=POST_API], command, cs_name, evb_name

**Destination:** CECO

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**Explanation:** An invalid source was specified for the captured data in the event binding. The sources from which data can be captured if the filter predicates match are listed in the event binding schema.

**System action:** An exception entry is made in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

**Module:** DFHECEI

**XMEOUT Parameters:** date, applid, source, cs_name, evb_name

**Destination:** CECO

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**Explanation:** An invalid data type was specified in the event binding XML configuration file. The data type is used when comparing the provided filter data with the API parameter at runtime, and it is not of the expected type for that parameter. Valid data types include

- CHAR Character data
- CHARZ Null (binary zero) terminated character data
- HEX HEX encoded binary data (e.g. 'F1F2F3')
- HEXZ Null (binary zero) terminated HEX encoded binary data
- UHWORD Unsigned Halfword numeric
- UFWORD Unsigned Fullword numeric
- SHWORD Signed Halfword numeric
- SFWORD Signed Fullword numeric
- PACKED Packed decimal
- ZONED Zoned decimal
- HEXFLOAT Hexadecimal floating point
- BINFLOAT Binary floating point
- DECFLOAT Decimal floating point

**System action:** An exception entry is made in the trace table. The event binding is not supported.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

**Module:** DFHECEI

**XMEOUT Parameters:** date, applid, datatype, cs_name, evb_name

**Destination:** CECO

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**Explanation:** The EIBAID filter in the event binding has an invalid mask value specified. Valid values include DFHENTER, DFHCLEAR, DFHPF1, DFHPF2, DFHPF3, DFHPF4, DFHPF5, DFHPF6, DFHPF7, DFHPF8, DFHPF9, DFHPF10, DFHPF11, DFHPF12,
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DFHPF13, DFHPF14, DFHPF15, DFHPF16, DFHPF17, DFHPF18, DFHPF19, DFHPF20, DFHPF21, DFHPF22, DFHPF23, DFHPF24, DFHPA1, DFHPA2, DFHPA3, DFHOPID, DFHMSRE, DFHTRIG, DFHPEN, DFHCLRP, DFHSTRF.

System action: An exception entry is made in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, aiddata, cs_name, evb_name

Destination: CECO

DFHEC3108 date time applid Invalid keyword (keyword) specified in event capture specification cs_name in event binding evb_name.

Explanation: A keyword was specified on the capture specification that could not be found as a parameter for the specified command type.

System action: An exception entry (code X’code in the message) is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, keyword, cs_name, evb_name

Destination: CECO

DFHEC3110 date time applid Invalid filter length of 0 specified in event capture specification cs_name in event binding evb_name.

Explanation: One of the filters in the capture specification has a length of zero specified. This is invalid for all filters other than ‘exists’ or ‘not exists’.

System action: The event binding install will be rejected.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, cs_name, evb_name

Destination: CECO

DFHEC3111 date time applid The decimal floating point facility (DFP) is not installed, but is required for capture specification cs_name in event binding evb_name.

Explanation: Capture specification csname of event binding evbname specifies the use of decimal floating point (DFP) numbers, but the decimal floating point facility is not installed.

System action: The event binding install will be rejected.

An exception response is returned to the caller of this domain and the event binding create is terminated.

User response: Use of decimal floating point in event processing requires installation of the decimal floating point facility, which is an optional hardware feature.

If decimal floating point is required then install the decimal floating point facility and reinstall the event binding.

If decimal floating point is not required then change your programs and event binding to use a different data type and reinstall the event binding.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, cs_name, evb_name

Destination: CECO
The binary floating point facility (BFP) is not installed, but is required for capture specification cs_name in event binding evb_name.

Explanation: Capture specification csname of event binding evbname specifies the use of binary floating point (BFP) numbers, but the binary floating point facility is not installed.

System action: The event binding install will be rejected.

An exception response is returned to the caller of this domain and the event binding create is terminated.

User response: Use of binary floating point in event processing requires installation of the binary floating point facility, which is an optional hardware feature. If binary floating point is required then install the binary floating point facility and reinstall the event binding.

If binary floating point is not required then change your programs and event binding to use a different data type and reinstall the event binding.

Module: DFHECEI

XMEOUT Parameters: date, time, applid, cs_name, evb_name

Destination: CECO

Transaction start EP adapter failed to emit an event to transaction tranid for event binding evbname. START TRANSID failed with response code response and reason code reason.

Explanation: The Event Processing Transaction Start adapter received error response response with reason code reason from the START TRANSID command used to emit an event for event binding evbname to transaction tranid.

System action: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECO. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next syncpoint.

User response: This is likely to be due to a problem in the CICS environment at the time the transaction was running. Use the response and reason codes to determine the cause of the error.

Module: DFHECEAS

XMEOUT Parameters: date, time, applid, tranid, tranid, evbname, response, reason

Destination: CECO

TSQ EP adapter failed to emit an event to queue queuename for event binding evbname. WRITEQ TS returned with condition resp reason code reason.

Explanation: The Event Processing TSQ adapter received error response resp with reason code reason from the WRITEQ TS command used to emit an event for event binding evbname to TSQueue queuename.

System action: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECO. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next syncpoint.

User response: This is likely to be due to a problem in the CICS environment at the time the transaction was running. Check the WRITEQ TS condition in the CICS information center and examine the trace to determine why the command failed.

Module: DFHECEAT

XMEOUT Parameters: date, time, applid, tranid,
DFHEC4009  date time applid tranid TSQ EP Adapter failed to emit an event to queue queue_name for event binding evbname because the queue is not defined as recoverable.

Explanation: The TSQ EP adapter was unable to emit an event for event binding evbname because TS queue queue_name is not defined as recoverable. Synchronous transactional events require a recoverable TS queue. A TS queue will be recoverable if there is a matching TSMODEL specifying RECOVERY(YES).

System action: The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated.

User response: Correct or create and install a TSMODEL resource definition for the queue, delete any pre-existing TS queue of the same name and rerun the capturing transaction.

Module: DFHECEAT

XMEOUT Parameters: date, time, applid, tranid, queue_name, evbname

Destination: CECO

DFHEC4113  date time applid tranid WebSphere MQ EP adapter failed to emit an event to queue queue_name for event binding evbname. WebSphere MQ function MQPUT1 returned with completion code comp_code.

Explanation: A WebSphere MQ function call issued from the Event Processing WebSphere MQ event adapter was unsuccessful and has set a non-zero return code.

System action: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response: This is likely to be caused by an error in the event definition or EP adapter configuration. Check the WebSphere MQ reason code in the WebSphere MQ for z/OS Messages manual, and examine the trace to determine why the WebSphere MQ function call failed. You might need help from IBM to resolve this problem.

Module: DFHECEAM

XMEOUT Parameters: date, time, applid, tranid, queue_name, evbname, comp_code

Destination: CECO
**DFHEC4117**  
*date time applid tranid* The WebSphere MQ EP adapter failed to emit an event for capture specification *csname* in event binding *evbname* to queue *queueName*. The event's size of *buffer_length* bytes exceeds the queue's maximum message length.

**Explanation**: The size of the event to be emitted exceeds the maximum message length supported.

**System action**: The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

**User response**: Ensure that the maximum message length of the message queue is large enough to accommodate the event to be emitted. See the WebSphere MQ for z/OS Concepts and Planning Guide for more information on defining and managing a queue.

**Module**: DFHECEAM

**XMEOUT Parameters**: date, time, applid, tranid, csname, evbname, queueName, buffer_length

**Destination**: CECO

---

**DFHEC4118**  
*date time applid tranid* The TSQ EP adapter truncated an event for capture specification *csname* in event binding *evbname* to queue *queueName*. The event's size of *buffer_length* bytes exceeds the maximum length for TS queues.

**Explanation**: The size of the event to be emitted exceeds the maximum message length supported for Temporary Storage queues.

**System action**: The event is truncated and processing continues normally.

**User response**: Ensure that the length of the event to be emitted is less than the maximum size allowed for Temporary Storage queues, 32763 bytes.

**Module**: DFHECEAT

**XMEOUT Parameters**: date, time, applid, tranid, csname, evbname, queueName, buffer_length

**Destination**: CECO

---

**DFHEC4119**  
*date time applid tranid* TSQ EP adapter failed to emit an event to queue *queueName* for event binding *evbname*. WRITEQ TS returned with condition *resp* reason code *reason*.

**Explanation**: The Event Processing TSQ adapter received error response *resp* with reason code *reason* from the WRITEQ TS command used to emit an event for event binding *evbname* to TSQueue *queueName*.

**System action**: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

**User response**: This is likely to be due to an error in the event definition or EP adapter configuration. Check the WRITEQ TS condition in the CICS information center and examine the trace to determine why the command failed.

**Module**: DFHECEAT

**XMEOUT Parameters**: date, time, applid, tranid, queueName, evbname, resp, reason

**Destination**: CECO

---

**DFHEC4120**  
*date time applid tranid* The HTTP EP Adapter failed to emit event for capture specification *csname* in event binding *evbname* using URIMAP *urimap_name*. Function returned with response code *resp* reason code *resp2*.

**Explanation**: A WEB command call issued from the HTTP EP adapter was unsuccessful and has set a non-zero return code.

**System action**: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

**User response**: This is likely to be due to a problem in the CICS environment or the targeted HTTP server at the time the transaction was running. Check the WEB command's response and reason codes in the CICS API commands section of the Application Programming Reference and examine the trace to determine why the WEB command call failed.

If the command is WEB CONVERSE and the response code is 124 the connection has timed out. Either the target server is not responding or has taken longer than the RTIMOUT value on the PROFILE used by the tranid specified in the message.

You may need help from IBM to resolve this problem.

**Module**: DFHECEAH

**XMEOUT Parameters**: date, time, applid, tranid, csname, evbname, urimap_name, function, resp, resp2

**Destination**: CECO
DFHEC4121 date time applid tranid The HTTP EP Adapter failed to emit an event for capture specification csname in event binding evbname using URIMAP urimap_name. Server responded with HTTP status code http_status_code.

Explanation: The HTTP EP adapter received HTTP error code http_status_code from the HTTP server targeted by URIMAP urimap_name in response to an HTTP POST request.

System action: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECO. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next syncpoint.

User response: This is likely to be a configuration error in the EP adapter section of the event binding or in the URIMAP. Check the WEB command’s response and reason codes in the CICS API commands section of the Application Programming Reference and examine the trace to determine why the WEB command call failed.

Module: DFHECEAH

XMEOUT Parameters: date, time, applid, tranid, csname, evbname, urimap_name, function, resp, resp2

Destination: CECO

DFHEC4122 date time applid tranid The HTTP EP Adapter failed to emit event for capture specification csname in event binding evbname using URIMAP urimap_name. Function returned with response code resp reason code resp2.

Explanation: A WEB command call issued from the HTTP EP adapter was unsuccessful and has set a non-zero return code.

System action: The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next syncpoint.

User response: This is likely to be due to a problem in the CICS environment or the HTTP server at the time the transaction was running. Examine the CICS trace and diagnostics from the HTTP server to determine why the HTTP POST failed.

Module: DFHECEAH

XMEOUT Parameters: date, time, applid, tranid, csname, evbname, urimap_name, http_status_code

Destination: CECO

DFHEJnnnn messages

DFHEJ0001 applid An abend (code aaaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an
error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEJ**

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHEJ0002  DFHEJ0004

DFHEJ0002  applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEJ**

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHEJ0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently.
but you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEJ**

**XMEOUT Parameters: applid, X'offset', modname**

Destination: Console

---

**DFHEJ0101 applid Enterprise Java domain initialization has started.**

Explanation: The Enterprise Java (EJ) domain initialization has started.

System action: Initialization continues.

User response: None.

Module: DFHEJDM

**XMEOUT Parameter: applid**

Destination: Console

---

**DFHEJ0102 applid Enterprise Java domain initialization has ended.**

Explanation: The Enterprise Java (EJ) domain initialized correctly. CICS will accept CorbaServer, DJar and Bean operations.

System action: Initialization continues.

User response: None.

Module: DFHEJDM

**XMEOUT Parameter: applid**

Destination: Console

---

**DFHEJ0103 applid Enterprise Java domain initialization has failed.**

Explanation: The Enterprise Java (EJ) domain did not correctly initialize.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and the domain is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of Enterprise Java domain, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEJDM

**XMEOUT Parameter: applid**

Destination: Console

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**DFHEJ0501A applid The file definition for DFHEJDIR does not specify RECOVERY(BACKOUTONLY). File open request failed.**

Explanation: A request has been made to open file DFHEJDIR. The request has failed because the RDO file definition for this file does not specify RECOVERY(BACKOUTONLY).

System action: File DFHEJDIR remains closed.

User response: Change the RDO file definition for DFHEJDIR to RECOVERY(BACKOUTONLY). Reinstall the file and the CorbaServer.

Module: DFHEJDI

**XMEOUT Parameter: applid**

Destination: Console

---

**DFHEJ0601W date time applid JRAS_informational_message**

Explanation: An informational message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_informational_message contains the message that was issued.

System action: Processing continues.

User response: An exception trace giving the name of the class and method issuing the message along with the message text will be made.

If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: com.ibm.cics.ras.CICSMessageService
XMEOUT Parameters: date, time, applid, JRAS_informational_message
Destination: CJRM

DFHEJ0602W  date time applid JRAS_warning_message
Explanation: A warning message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_warning_message contains the message that was issued.
System action: Processing continues.
User response: An exception trace giving the name of the class and method issuing the message along with the message text will be made.
If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: com.ibm.cics.ras.CICSMessageService
XMEOUT Parameters: date, time, applid, JRAS_warning_message
Destination: CJRM

DFHEJ0604E  date time applid JRAS_error_message
Explanation: An error message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_error_message contains the message that was issued.
System action: Processing continues.
User response: An exception trace giving the name of the class and method issuing the message along with the message text will be made.
If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: com.ibm.cics.ras.CICSMessageService
XMEOUT Parameters: date, time, applid, JRAS_error_message
Destination: CJRM

DFHEJ0702E  date time applid userid CorbaServer
CorbaServer_name has not been created.
Explanation: The CorbaServer CorbaServer_name was not added to the Enterprise Java domain. This error is most likely caused by an attempt to add a duplicate CorbaServer.
System action: Processing continues.
User response: Examine the exception trace entry that shows the cause of the error.
Module: DFHEJCG
XMEOUT Parameters: date, time, applid, userid, CorbaServer_name
Destination: CEJL

DFHEJ0706E  date time applid userid The EJ Resolution Transaction transaction_name did not attach.
Explanation: After the CorbaServer has been created, it undergoes the Resolution process in a separate transaction. However, this transaction was not successfully attached. Another attachment of the Resolution Transaction will occur (if this failure does not re-occur) when the next CorbaServer is created, and hence this failure may be thereby corrected.
System action: Processing continues.
User response: Examine the exception trace entry that shows the cause of the attachment error.
Module: DFHEJCG
XMEOUT Parameters: date, time, applid, userid, transaction_name
Destination: CEJL

DFHEJ0711I  date time applid userid CorbaServer
CorbaServer_name has been deleted.
Explanation: A CorbaServer Control Block has been deleted and removed from the chain of CorbaServers held within the EJ domain. Consequently, the CorbaServer is no longer available for use.
System action: Processing continues.
User response: None.
Module: DFHEJCG
XMEOUT Parameters: date, time, applid, userid, CorbaServer_name
Destination: CJRM
**Explanation:** Resolution for CorbaServer has failed. The Resolution process was attempting to create the Shelf for this CorbaServer.

**User response:** Check that the CorbaServer's shelf directory does exist and that the CICS region id has permission to read and write to that directory. If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJCG

**XMEOUT Parameters:** date, time, applid, userid, CorbaServer_name

**Destination:** CEJL

---

**Explanation:** An update of the Global Catalog for CORBASERVER returned an invalid CORBASERVER.

**User response:** The CORBASERVER resource should be discarded and reinstalled.

If the problem persists you may have to use the trace facility to determine the cause of the problem.

**Module:** DFHEJCG

**XMEOUT Parameters:** date, time, applid, userid, CorbaServer_name

**Destination:** CEJL

---

**Explanation:** An update to the state of CorbaServer to record the status of the Resolution process has failed. The Resolution process was attempting to create the Shelf for this CorbaServer.

**User response:** Ensure that the region id under which CICS is running has write permission to the area of the HFS directory structure in which the shelf directory should be created. Also check that there is sufficient free space for the directory to be created.

The CorbaServer should be discarded and reinstalled.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJCG

**XMEOUT Parameters:** date, time, applid, userid, CorbaServer_name

**Destination:** CEJL

---
Explanation: The Resolution of CorbaServer CorbaServer_name involved with the Object Store file file_name has failed.

System action: The CorbaServer is put into the DISABLED state.

User response: The most likely problem is that the file definition for VSAM file file_name has not been installed or is incorrectly defined. Verify that the both the file and the file definition have been created with appropriate attributes. Check that the resource definition for the file has been installed. Sample definitions for files DFHEJDIR and DFHEJOS are available in groups DFHEJVS, DFHEJCF and DFHEJVR.

Discard and reinstall the resource. If the problem persists you may need to use the trace service to find the failing object store operation.

Module: DFHEJCG

XMEOUT Parameters: date, time,applid, userid, CorbaServer_name, file_name, store_name

Destination: CEJL

Explanation: CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE tcpipservice named is not installed.

System action: The CORBASERVER is not installed. Processing continues.

User response: Examine the CORBASERVER definition to check the correct TCPIPSERVICE has been named and then delete the CORBASERVER, install the TCPIPSERVICE first and then retry the install of the CORBASERVER.

The TCPIPSERVICE needs to be installed in the listener region AND where the CORBASERVER is installed (AOR) if they are separate regions. If the CORBASERVER is in a separate region, the listener needs to have IIOPLISTENER=(YES) specified in the System Initialization Table (SIT) and the AOR needs to have IIOPLISTENER=(NO) specified.

Module: DFHEJCG

XMEOUT Parameters: date, time,applid, userid, CorbaServer_name, tcpipservice

Destination: CEJL

Explanation: CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named in the CorbaServer does not have a matching AUTHENTICATE parameter.

System action: The CorbaServer is installed but becomes unusable. Processing continues.

User response: Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then correct the authenticate parameter in the TCPIPSERVICE. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

Module: DFHEJCG

XMEOUT Parameters: date, time,applid, userid, CorbaServer_name, tcpipservice

Destination: CEJL

Explanation: CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named for SSLUNAUTH has SSL(NO) set. SSL(YES | CLIENTAUTH) should be set.

System action: The CORBASERVER was installed but has an SSL setting of NO. The
TCPIPSERVICE named must have an SSL value of YES or CLIENTAUTH.


User response: Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then change the SSL parameter in the TCPIPSERVICE to YES or CLIENTAUTH. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name, tcpipservice

Destination: CEJL

DFHEJ0748E date time applid userid Error found during install of CorbaServer CorbaServer_name because TCPIPSERVICE tcpipservice named in the CorbaServer for UNAUTH has SSL(YES|CLIENTAUTH) set. SSL(NO) should be set.

Explanation: CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named for UNAUTH has an SSL setting of YES or CLIENTAUTH. The TCPIPSERVICE named must have an SSL value of NO.


User response: Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then change the SSL parameter in the TCPIPSERVICE to NO. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name, tcpipservice

Destination: CEJL

DFHEJ0751I date time applid userid About to wait for the availability of CorbaServer CorbaServer_name.

Explanation: A function needs to ensure that a CorbaServer is available for use, so it is going to wait until the CorbaServer becomes available (it enters the INSERVICE State).

This message will usually appear while Resolution is proceeding (or pending) for the CorbaServer. However, it can also occur after this time during consistency processing for the items associated with the CorbaServer.

System action: The transaction enters a Wait state until the CorbaServer becomes INSERVICE.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name

Destination: CEJL

DFHEJ0752E date time applid userid CorbaServer CorbaServer_name availability wait ended in error as the CorbaServer was not defined.

Explanation: The CorbaServer was not found during the availability wait. The CorbaServer has probably been deleted via CEMT while another transaction was waiting for the CorbaServer to be available.

System action: Processing continues.

User response: None.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name

Destination: CEJL

DFHEJ0753I date time applid userid CorbaServer CorbaServer_name availability wait ended successfully.

Explanation: The CorbaServer is now available and so the availability wait has successfully ended.

System action: Processing continues.

User response: None.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name

Destination: CEJL

DFHEJ0754I date time applid userid CorbaServer CorbaServer_name availability wait ended in error because the CorbaServer was in the UNUSABLE state.

Explanation: The CorbaServer entered the UNUSABLE state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

System action: Processing continues.

User response: None.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer_name

Destination: CEJL
DFHEJ0755I  date time applid userid CorbaServer
CorbaServer_name availability wait ended
in error because the CorbaServer was in
the DISABLED state.

Explanation: The CorbaServer entered the DISABLED
state and so will never become available for use.
Consequently, the availability wait has ended with this
error condition.

System action: Processing continues.
User response: None.
Module: DFHEJCG
XMEOUT Parameters: date, time,applid, userid,
CorbaServer_name

Destination: CEJL

DFHEJ0756E  date time applid userid CorbaServer
CorbaServer_name availability wait ended
in error because an error occurred
during the wait.

Explanation: The CorbaServer availability wait ended
in error. This is probably due to the transaction being
cancelled via CEMT.

System action: Processing continues.
User response: None.
Module: DFHEJCG
XMEOUT Parameters: date, time,applid, userid,
CorbaServer_name

Destination: CEJL

DFHEJ0761I  date time applid userid CorbaServer
CorbaServer_name has been set to be
enabled.

Explanation: The CorbaServer has been set to be
enabled. This operation may not complete immediately.

System action: Processing continues.
User response: None.
Module: DFHEJCG
XMEOUT Parameters: date, time,applid, userid,
CorbaServer_name

Destination: CEJL

DFHEJ0762I  date time applid userid CorbaServer
CorbaServer_name has been set to be
disabled.

Explanation: The CorbaServer has been set to be
disabled. This operation may not complete immediately.

System action: Processing continues.
User response: None.
Module: DFHEJCG
XMEOUT Parameters: date, time,applid, userid,
CorbaServer_name

Destination: CEJL

DFHEJ0901I  date time applid userid DJar DJar_name
within CorbaServer CorbaServer_name
has been created.

Explanation: A DJar has been created and added to
the chain of DJars. However, it is not available for use
until it has been resolved.

System action: Processing continues. The DJar will be
resolved at a later stage.
User response: None.
Module: DFHEJDG
XMEOUT Parameters: date, time,applid, userid,
DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ0902E  date time applid userid DJar DJar_name
within CorbaServer CorbaServer_name
was not created.

Explanation: DJar DJar_name was not created. This
error is usually caused by an attempt to create a DJar
with the same name as an already existing DJar.

System action: Processing continues.
User response: Rename the jar file and DJar resource
and retry the operation.
Module: DFHEJDG
XMEOUT Parameters: date, time,applid, userid,
DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ0906E  date time applid userid The EJ Resolution
Transaction transaction_name did not
attach.

Explanation: After the DJar has been created, it
undergoes the Resolution process in a separate
transaction. However, this transaction was not
successfully attached. Another attachment of the
Resolution Transaction will occur (if this failure does
not re-occur) when the next DJar is created, and hence
this failure may be thereby corrected.

System action: Processing continues.
User response: Examine the exception trace entry that
shows the cause of the attachment error.
Module: DFHEJDG
DFHEJ0921I  DFHEJ0940E

XMEOUT Parameters: date, time, applid, userid, transaction_name

Destination: CEJL

DFHEJ0921I  date time applid userid DJar DJar_name within CorbaServer CorbaServer_name was successfully discarded.

Explanation: The DJar was successfully deleted from the chain of DJars. The Beans contained in DJar DJar_name have also been deleted.

System action: Processing continues.

User response: None.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ0936E  date time applid userid DJar DJar_name Catalog Resolution processing returned bad data.

Explanation: The updating of the Global Catalog entry for DJar DJar_name, to record the fact that Resolution has occurred, failed when the read for update operation returned invalid data. The state is not updated in the Global Catalog for the DJar; so, upon the next warm restart processing will not be as expected.

System action: The DJar is put into the UNUSABLE state and cannot be used.

User response: Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0934E  date time applid userid DJar DJar_name within CorbaServer CorbaServer_name has failed Resolution while it was being copied to the Shelf.

Explanation: The Resolution for DJar DJar_name, involving copying the DJar to the Shelf, has failed.

System action: The DJar is put into the UNUSABLE state and cannot be used.

User response: Check that the CICS region id has permission to write to the HFS shelf directory and that there is sufficient free space available.

DJar DJar_name should be discarded and reinstalled.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ0937E  date time applid userid DJar DJar_name Catalog Resolution processing returned an invalid DJar.

Explanation: The updating of the Global Catalog entry for DJar DJar_name, to record the fact that Resolution has occurred, failed when the read for update operation returned an invalid DJar. The state is not updated in the Global Catalog for the DJar; so, upon the next warm restart processing will not be as expected.

System action: The DJar is put into the UNUSABLE state and cannot be used.

User response: Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0935E  date time applid userid Catalog read for update during Resolution processing for DJar DJar_name failed.

Explanation: The updating of the Global Catalog entry for the DJar DJar_name failed when the read for update operation, to record the fact that Resolution has occurred, was executed. The state is not updated in the Global Catalog for the DJar; so, upon the next warm restart processing will not be as expected.

System action: The DJar is put into the UNUSABLE state and cannot be used.

User response: Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0940E  date time applid userid State updating failed while copying the DJar to the shelf during Resolution processing for DJar DJar_name.

Explanation: The updating of the state, to record the status of Resolution processing, for DJar DJar_name has failed. The Resolution process was attempting to copy the DJar to the Shelf.
**System action:** Processing continues with the DJar in an incorrect state.

**User response:** Check that the CICS region id has write permission to the HFS shelf directory and that there is sufficient space available for the write operation to succeed.

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

DFHEJ0946E  
```
date time applid userid The Beans contained within DJar DJar_name within CorbaServer CorbaServer_name were not correctly confirmed during Bean Resolution.
```

**Explanation:** All Beans within DJar DJar_name were correctly loaded. However, an error occurred while making the Beans within this DJar available for use during Resolution.

A System error has occurred which probably does not have anything to do with the DJar or the Beans themselves.

**System action:** The DJar is put into the UNRESOLVED state and is not available for use. An attempt is made to delete any Beans associated with the DJar.

**User response:** Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name, CorbaServer_name

**Destination:** CEJL

---

DFHEJ0948I  
```
date time applid userid Deletion of Beans contained within DJar DJar_name within CorbaServer CorbaServer_name succeeded.
```

**Explanation:** Beans are being deleted due to an error in the Resolution process which was loading Beans from DJar DJar_name. This deletion has succeeded.

**System action:** Processing continues.

**User response:** A previous message should explain why the Bean failed to install.

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name, CorbaServer_name

**Destination:** CEJL

---

DFHEJ0949E  
```
date time applid userid Deletion of Beans contained within DJar DJar_name within CorbaServer CorbaServer_name failed.
```

**Explanation:** Beans are being deleted due to an error in the Bean Resolution process for DJar DJar_name. However, this deletion of Beans has failed.

**System action:** Processing continues.

**User response:** A previous message should explain why the Bean failed to install.

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name, CorbaServer_name

**Destination:** CEJL

---

DFHEJ0947E  
```
date time applid userid Beans contained within DJar DJar_name within CorbaServer CorbaServer_name are invalid and unusable.
```

**Explanation:** An error occurred while installing the Beans from DJar DJar_name during the Bean copying phase of Resolution.

The most probable reason is that an attempt was made to install a duplicate Bean twice within the scope of the CorbaServer. In other words the duplicate Bean occurs in more than one DJar.

**System action:** The partially processed Beans within the DJar are deleted and the DJar is put into the UNRESOLVED state.

**User response:** Investigate why the Beans within the DJar within the scope of the CorbaServer caused this error to occur. In the most likely case, check that the contents of the DJar are not already present within the scope of the CorbaServer (for example, copying a Bean and then using both copies).

**Module:** DFHEJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name, CorbaServer_name

**Destination:** CEJL
DFHEJ0951E  State updating failed while loading Beans from the DJar during Resolution processing for DJar DJar_name.

Explanation: The updating of the state, to record the status of Bean Resolution processing, for DJar DJar_name has failed. The Bean Resolution process consists of loading Beans from the DJar.

System action: Processing continues with the DJar in an incorrect state.

User response: Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJ DG

XMEOUT Parameters: date, time, aplid, userid, DJar_name

Destination: CEJL

DFHEJ0961I  About to wait for the availability of DJar DJar_name.

Explanation: A function needs to ensure that a DJar is available for use, so it is going to wait until this DJar becomes available by entering the INSERVICE state.

This message will usually be generated while the DJar is awaiting or undergoing Resolution Processing. However, it can also occur during consistency processing of items associated with the DJar.

System action: The transaction enters a Wait state until the DJar is INSERVICE.

If the Wait is due to consistency processing, the delay is likely to be small.

User response: None.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0963I  availability wait ended successfully.

Explanation: The DJar is now available and so the availability wait has successfully ended.

System action: Processing continues.

User response: None.

Module: DFHEJ DG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0964I  availability wait ended in error because the DJar was in the UNUSABLE state.

Explanation: The DJar entered the UNUSABLE state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

System action: Processing continues.

User response: None.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0965I  availability wait ended in error because the DJar was in the UNRESOLVED state.

Explanation: The DJar entered the UNRESOLVED state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

System action: Processing continues.

User response: None.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination: CEJL

DFHEJ0966E  availability wait ended in error because an error occurred during the wait.

Explanation: The DJar availability wait ended in error. This is probably due to the transaction being cancelled via CEMT.
**System action:** Processing continues.

**User response:** None.

**Module:** DFHEJJDG

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ0971I** date time applid userid About to wait for the availability of all Beans contained within DJars associated with CorbaServer CorbaServer_name.

**Explanation:** A function needs to ensure that all the Beans contained within DJars associated with a CorbaServer are present. Thus, it is going to wait until all DJars associated with the CorbaServer have been resolved (they all enter the INSERVICE state).

**System action:** The transaction enters a Wait state until all the DJars associated with the CorbaServer enter the INSERVICE state.

**User response:** None.

**Module:** DFHEJJDG

**XMEOUT Parameters:** date, time, applid, userid, CorbaServer_name

**Destination:** CEJL

---

**DFHEJ0973I** date time applid userid All Beans contained within DJars associated with CorbaServer CorbaServer_name are now available for use.

**Explanation:** All Beans contained within the DJars associated with this CorbaServer are present. This means that the CorbaServer and all associated DJars are in the INSERVICE state.

**System action:** None.

**User response:** None.

**Module:** DFHEJJDG

**XMEOUT Parameters:** date, time, applid, userid, CorbaServer_name

**Destination:** CEJL

---

**DFHEJ1102E** date time applid userid Bean Bean_name from DJar DJar_name within CorbaServer CorbaServer_name has not been created because the CorbaServer is not in the correct state.

**Explanation:** The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the CorbaServer was not in the INSERVICE state.

**System action:** Processing continues.

**User response:** The DJar should be deleted.

**Module:** DFHEJBG

**XMEOUT Parameters:** date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

**Destination:** CEJL
DFHEJ1103E  Bean, Bean_name, DJar, DJar_name, CorbaServer, CorbaServer_name has not been created because the DJar is absent.

Explanation: The Bean contained in the DJar, DJar_name, and associated with the named CorbaServer, has not been created because the DJar was not found. The DJar was probably deleted via CEMT while the Bean copying phase of the DJar Resolution was in progress.

System action: Processing continues.

User response: None.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ1104E  Bean, Bean_name, DJar, DJar_name, CorbaServer, CorbaServer_name has not been created because the DJar is not in the correct state.

Explanation: The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the DJar was not in the RESOLVING state.

System action: Processing continues.

User response: You may need to contact your IBM service representative.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ1105E  Bean, Bean_name, DJar, DJar_name, CorbaServer, CorbaServer_name has not been created because the Bean is already present.

Explanation: The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the Bean was already defined. This probably means that an attempt was being made to process a copy of an already defined DJar.

System action: Processing continues.

User response: The DJar should be deleted.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ1106E  Bean, Bean_name, DJar, DJar_name, CorbaServer, CorbaServer_name has not been created because the Bean is already present in the namespace of the CorbaServer.

Explanation: The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the Bean was already known within the namespace of the CorbaServer.

System action: Processing continues.

User response: You may need to contact your IBM service representative.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ1107E  Bean, Bean_name, DJar, DJar_name, CorbaServer, CorbaServer_name has not been created.

Explanation: The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created.

System action: Processing continues.

User response: A prior message will usually indicate the cause of the error. The DJar should be deleted.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid, Bean_name, DJar_name, CorbaServer_name

Destination: CEJL

DFHEJ1301  The elements portion of the Enterprise Java Domain did not initialize. Enterprise Java function is unavailable.

Explanation: The portion of the Enterprise Java (EJ) Domain which deals with CorbaServers, DJars and Beans has not correctly initialized. This EJ function is not available.

Module: DFHEJBG

XMEOUT Parameters: date, time, applid, userid,
the Elements part of the EJ Domain. This processing manipulates CorbaServers, DJars and Beans. This implies that an EJ Gate was not created or a GETMAIN for required areas failed. A failure to recover a CorbaServer or a DJar upon a warm restart is also a possibility.

System action: All EJ elements function is unavailable. However, other components of the EJ domain (such as Object Store) may be available.

User response: This is a system-related failure and an exception trace entry will indicate why the EJ domain has failed to install.

Module: DFHEJGE
XMEOUT Parameter: applid
Destination: Console

DFHEJ1510E date time applid userid CorbaServer
CorbaServer_name previously failed
Resolution and was found in the INITING state.

Explanation: A prior Resolution transaction (CEJR) failed and left a CorbaServer in the INITING state.

System action: The CorbaServer is put into the DISABLED state.

User response: A prior message should indicate the cause of the previous error.

Module: DFHEJIO
XMEOUT Parameters: date, time, applid, userid,
CorbaServer_name
Destination: CEJL

DFHEJ1513E date time applid userid CorbaServer
CorbaServer_name previously failed
Resolution and was found in an intermediate state.

Explanation: A prior Resolution transaction (CEJR) failed and left a CorbaServer in an intermediate state.

System action: The CorbaServer will be put into the DISABLED state in order to prevent its use.

User response: Examine the message log to determine why the CorbaServer Resolution failed. The CorbaServer should either be discarded or reenabled.

Module: DFHEJIO
XMEOUT Parameters: date, time, applid, userid,
CorbaServer_name
Destination: CEJL

DFHEJ1518E date time applid userid CorbaServer
CorbaServer_name is UNUSABLE.

Explanation: The CorbaServer CorbaServer_name failed to complete the part of the Resolution process which involves creation of the shelf onto which components associated with the CorbaServer are placed.

System action: The CorbaServer is put into the DISABLED state.

User response: Check that the CICS region id has write permission to the shelf HFS directory structure.

If the problem persists you may have to use the trace facility to determine the cause of the problem.

Module: DFHEJIO
XMEOUT Parameters: date, time, applid, userid,
CorbaServer_name
Destination: CEJL

DFHEJ1520I date time applid userid CorbaServer
CorbaServer_name is now accessible.

Explanation: The CorbaServer CorbaServer_name has successfully completed the part of the Resolution process which involves opening CorbaServer related Object Store files. The CorbaServer CorbaServer_name is now accessible.

System action: Processing continues.

User response: None.

Module: DFHEJIO
XMEOUT Parameters: date, time, applid, userid,
CorbaServer_name
Destination: CEJL

DFHEJ1521E date time applid userid CorbaServer
CorbaServer_name is DISABLED.

Explanation: The CorbaServer CorbaServer_name failed to complete the part of the Resolution process which involves opening the CorbaServer related Object Store files.

System action: The CorbaServer is put into the DISABLED state.

User response: Discard and reinstall the CorbaServer.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJIO
XMEOUT Parameters: date, time, applid, userid,
CorbaServer_name
Destination: CEJL
**DFHEJ1530E** date time applid userid DJar DJar_name previously failed Resolution and was found in the INITING state.

**Explanation:** A prior Resolution transaction (CEJR) failed and left a DJar in the INITING state.

**System action:** The DJar will be put into the UNUSABLE state to prevent its use.

**User response:** A prior message will usually indicate the cause of the previous error. Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJIO

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ1533E** date time applid userid DJar DJar_name previously failed Resolution and was found in the RESOLVING state.

**Explanation:** A prior Resolution transaction (CEJR) failed and left a DJar in the RESOLVING state.

**System action:** The DJar will be put into the UNRESOLVED state to prevent its use.

**User response:** A prior message will usually indicate the cause of the previous error. Discard and reinstall the CorbaServer.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJIO

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ1538E** date time applid userid DJar DJar_name and the Beans it contains are UNUSABLE.

**Explanation:** DJar DJar_name failed to Resolve. The Resolution process failed while attempting to copy this DJar to the Shelf.

**System action:** The DJar has been put into the UNUSABLE state.

**User response:** Check that the CICS region id has permission to write to the HFS shelf directory structure. Discard and reinstall the CorbaServer.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:** DFHEJIO

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ1540I** date time applid userid DJar DJar_name and the Beans it contains are now accessible.

**Explanation:** The DJar DJar_name has correctly Resolved. This means that the Resolution process successfully loaded all the Beans from this DJar. DJar DJar_name and all the Beans which are contained in the DJar are now accessible and ready for use. This message does not imply that the Beans have been published. If the DJar has been published then CICS is now ready to accept requests for the Beans.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHEJIO

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ1541E** date time applid userid DJar DJar_name and the Beans it contains are UNRESOLVED.

**Explanation:** DJar DJar_name failed to Resolve. The Resolution process failed while attempting to load the Beans from this DJar because the Beans contained within the DJar were invalid.

**System action:** The DJar is put into the UNRESOLVED state.

**User response:** A prior message should describe the error in the DJar. Fix this error and then reinstall the DJar.

**Module:** DFHEJIO

**XMEOUT Parameters:** date, time, applid, userid, DJar_name

**Destination:** CEJL

---

**DFHEJ1801 E** date time applid userid The EJ domain is unable to run the Enterprise Java event URM: module. Reason('reason')

**Explanation:** The EJ domain attempted to invoke the Enterprise Java event URM module but failed with a code supplied as reason.

**System action:** Exception trace point 6000 is issued. Enterprise resource processing continues.

**User response:** Possible causes of the problem and an indication of how to solve them are given in the following list of reason code meanings:

**Reason Meaning and Solution**

1 The user exit program should be linked with
AMODE(31). Ensure that the user exit is linked to the correct AMODE.

2 The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.

3 The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

4 The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

5 The user exit program is not enabled. CICS may have disabled the program due to an earlier error or the program may have been defined as disabled.

6 CICS is unable to load the user exit program for some other reason. Use trace to determine why the DHFPLGU call failed.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, module, X'reason'

Destination: CEJL

DFHEJ5001E  date time applid userid The HFS file hfs_name for DJar DJar_name could not be located.

Explanation: Installation of a DJar has failed because either the HFS file referred to by the DJar definition could not be found or the security permissions on HFS prevented CICS from opening it.

System action: Processing continues, but this particular DJar is not installed.

User response: Check that the HFS filename defined in the DJar definition is correct and that the file exists on HFS. Also check the permissions on the jar file and the permissions on the directory hierarchy in which it can be found.

Module: com.ibm.cics.ejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_name, DJar_file_name, shelf_partition

Destination: CEJL

DFHEJ5002E  date time applid userid Unable to delete JAR file DJar_file_name from the Shelf directory shelf_partition.

Explanation: There was an HFS problem when attempting to remove a .jar file from the Shelf directory.

System action: Processing continues and the DJar object is discarded, but CICS was unable to tidy up HFS.

User response: Check the permissions on the Shelf directory and .jar file described in the message to ensure CICS has access. The file can then either be removed manually or install of a subsequent DJar definition with the same name overwrites the file.

Module: com.ibm.cics.ejs.csi.commands.DiscardDJarCommand

XMEOUT Parameters: date, time, applid, userid, DJar_file_name, shelf_partition

Destination: CEJL

DFHEJ5003E  date time applid userid CICS is unable to write to the destination file hfs_file_name while installing DJar DJar_name.

Explanation: Whilst installing a DJar, CICS was unable to open a file on the shelf for writing.

System action: Processing continues, but this DJar will not be installed.

User response: Check the permissions for the shelf directory specified for the related CORBASERVER into which this DJar is being installed. CICS should be able to read and write to all files and directories within that shelf directory.

Module: com.ibm.cics.ejs.csi.commands.DiscardDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_file_name, DJar_name

Destination: CEJL

DFHEJ5004E  date time applid userid The container encountered problems processing the contents of the HFS file referred to by DJar DJar_name.

Explanation: The container was attempting to process a .jar file, looking for enterprise beans. Also check the permissions on the jar file and the permissions on the directory hierarchy in which it can be found.

System action: Processing continues, but this particular DJar is not installed.

User response: Check the validity of the .jar file referred to in the DJar definition. Check it has a valid deployment descriptor and the generated code contained within the jar file is correct. The CICS deployment tooling can be used to check the deployment descriptor and perform the code generation step if it is suspected that the generated code within the jar is incorrect.

Module:
DFHEJ5005E  DFHEJ5010I

com.ibm.cicsejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, DJar_name

Destination:  CEJL

DFHEJ5005E  date time applid userid Unable to obtain the remotable reference for bean bean_name from the container.

Explanation:  To publish a home IOR for a bean to JNDI, it is necessary to obtain a remote reference for that bean from the container. This message indicates there was a problem retrieving the reference from the container.

System action:  Processing continues, but this particular bean does not have its home published to JNDI.

User response:  Check the validity of the .jar file referred to in the DJar definition. Check it is fully deployed with an ASCII manifest file.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name

Destination:  CEJL

DFHEJ5008E  date time applid userid Unable to write home IOR for bean bean_name to the Shelf directory shelf_partition.

Explanation:  The home IOR for a bean may be written to the HFS Shelf. This message indicates that CICS had a problem in attempting to write to the Shelf.

System action:  Processing continues, but this particular bean does not have its home published to the Shelf.

User response:  Check the permissions of the Shelf directory. If there already exists an IOR for the bean in the Shelf directory, check its permissions. CICS must have write access to the directory and to overwrite any files that might exist.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, shelf_partition

Destination:  CEJL

DFHEJ5006I  date time applid userid Creating new JNDI subcontext jndi_subcontext.

Explanation:  Before publishing a home for a bean in JNDI, the subcontext hierarchy described in the CorbaServer definition must exist. This informational message indicates that part of that hierarchy does not exist and is being created.

System action:  None.

User response:  None.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_subcontext

Destination:  CEJL

DFHEJ5009I  date time applid userid Published bean bean_name to JNDI server jndi_server at location jndi_location.

Explanation:  CICS has successfully published the home for the bean in JNDI. The location where the home is bound, and hence where the home can be looked up, is also supplied in the message.

System action:  None.

User response:  None.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_server, jndi_location

Destination:  CEJL

DFHEJ5007I  date time applid userid Destroying empty JNDI subcontext jndi_subcontext.

Explanation:  After a home for a bean has been unbound from JNDI, it is possible that the namespace can be tidied up. CICS attempts to remove the hierarchy of subcontexts described in the CorbaServer definition. It only deletes a subcontext if it is empty.

System action:  None.

User response:  None.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_subcontext

Destination:  CEJL

DFHEJ5010I  date time applid userid Publishing bean bean_name in the Shelf directory shelf_partition as file file_name.

Explanation:  CICS is publishing the home for the bean on the Shelf. The location where the home is being written is supplied in the message as a directory and filename.

System action:  None.

User response:  None.

Module:  com.ibm.cicsejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, shelf_partition, file_name

Destination:  CEJL
com.ibm.cics.ejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, shelf_partition, file_name

Destination: CEJL

DFHEJ5011I  date time applid userid Retracted bean

bean_name from JNDI server jndi_server

at location jndi_location.

Explanation:  CICS has successfully retracted the home

for a bean from JNDI. The JNDI location that is being

unbound is supplied in the message. Once this message

has appeared, clients are no longer able to look up the

bean home at this location.

System action: None.

User response: None.

Module: com.ibm.cics.ejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_server, jndi_location

Destination: CEJL

DFHEJ5012I  date time applid userid Retracting bean

bean_name from the Shelf directory

shelf_partition, file file_name.

Explanation:  CICS is retracting the home for the bean

from the Shelf. When retracting bean homes from the

Shelf, retraction means deletion of the IOR file object

created at publish.

System action: None.

User response: None.

Module: com.ibm.cics.ejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_server, jndi_location

Destination: CEJL

DFHEJ5013E  date time applid userid Bean bean_name

cannot be retracted from JNDI as it

cannot be found at location jndi_location.

Explanation:  CICS is attempting to retract the home of

a bean from JNDI. However, the home has not been

found at the expected location in JNDI. This is usually

due to a previous retraction having removed the home
already.

System action: None.

User response: None.

Module: com.ibm.cics.ejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_name, DJar_name

Destination: CEJL

DFHEJ5015E  date time applid userid Unable to delete

HFS file hfs_file_name which exists on

the shelf while installing DJar

djar_name.

Explanation:  Whilst installing a DJar, CICS found a

file on the shelf of the same name that it wanted to use

when copying the users source deployed jar. CICS was

unable to delete that file.

System action: Processing continues, but this

particular DJar is not installed.

User response: Check the permissions of the shelf
directory for the CORBASERVER and the permissions

of the HFS file that the CICS message describes as

already existing on the shelf. CICS should normally

have the ability to read and write to all directories and

files that exist under the directory defined as the

CORBASERVERs shelf.

Module: com.ibm.cics.ejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_file_name, DJar_name

Destination: CEJL

DFHEJ5016E  date time applid userid IO exception while

attempting to read hfs_file_name during

install of DJar djar_name.

Explanation:  During install of a DJar, CICS

encountered an exception reading the HFS file

described in the DJar definition.
DFHEJ5017E • DFHEJ5021E

System action: Processing continues, but this particular DJar is not installed.

User response: This is a very unusual situation. The file was found to exist and CICS had read permission, but a problem occurred whilst reading it. Retry the install operation.

Module: com.ibm.cics.ejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_file_name, djar_name

Destination: CEJL

DFHEJ5017E date time applid userid IO exception while attempting to write hfs_file_name to the shelf during install of DJar djar_name.

Explanation: During install of a DJar, CICS encountered an exception writing the HFS file described in the DJar definition.

System action: Processing continues, but this particular DJar is not installed.

User response: This is usually due to running out of space in the filesystem. Check the size of the filesystem where the shelf is defined to exist for the CORBASERVER into which the DJar is being installed.

Module: com.ibm.cics.ejs.csi.commands.InstallDJarCommand

XMEOUT Parameters: date, time, applid, userid, hfs_file_name, djar_name

Destination: CEJL

DFHEJ5017E date time applid userid D Jar djar_name contains a bean whose name contains one or more invalid characters.

Explanation: CICS is only able to process beans whose names are composed of characters from a specific set. This set being a subset of those allowable in the deployment descriptor.

System action: Processing continues, but none of the beans from this DJar are installed.

User response: Check the names of your beans against the allowable character set.

Module: com.ibm.cics.ejs.csi.CICSBeanMetaDataStore

XMEOUT Parameters: date, time, applid, userid, djar_name

Destination: CEJL

DFHEJ5020E date time applid userid A bean installed in CORBASERVER corbaserver has been incorrectly deployed for use in CICS.

Explanation: This message indicates that a bean installed in CICS contains generated code at the incorrect level. This can happen if, for example, VisualAge for Java has been used to fully deploy a bean for use in CICS, the generated code produced by VisualAge is not of the correct level (it is EJB 1.0 level code).

System action: Processing against this bean stops and the initiating method request fails.

User response: Use the CICS deployment tool to generate code at the correct EJB level for all the beans installed in the named corbaserver.

Module: com.ibm.cics.ejs.csi.DJarClassLoader

XMEOUT Parameters: date, time, applid, userid, corbaserver

Destination: CEJL

DFHEJ5021E date time applid userid EJB Classloader unable to locate class class_name.

Explanation: The Java classloader responsible for loading Enterprise Beans was asked to load a class and was unable to locate it.

System action: Processing stops. The request processor reporting the error shuts down, returning an exception to the client.

User response: If the class is part of an Enterprise Bean, check the class exists in the deployed jar file you have named on the DJar definition. If it is a utility class used by an Enterprise Bean, check the utility class is on the user application classpath.

Module: com.ibm.cics.ejs.csi.DJarClassLoader

XMEOUT Parameters: date, time, applid, userid, class_name

Destination: CEJL

DFHEJ5021E date time applid userid Failed to publish bean bean_name to JNDI server jndi_server at location jndi_location.

Explanation: CICS has failed to publish the home of the bean in JNDI. The location where the home was being bound, and the server which was being used are included in the message.

System action: None.

User response: Check that the JNDI server named in the message is working.

Module: com.ibm.cics.ejs.csi.commands.AdminCommand

XMEOUT Parameters: date, time, applid, userid, bean_name, jndi_server, jndi_location

Destination: CEJL
DFHEJ5022E  date time applid userid DJar DJar contains bean bean name which has already been installed in CorbaServer CorbaServer. The DJar will not be installed.

Explanation: The HFS file named in the DJar definition contains a deployed Enterprise Bean whose name conflicts with a bean already installed in the CorbaServer.

System action: The DJar named in the message is not installed. None.

User response: Change the name of the bean in the named DJar so that it does not conflict, or install the DJar in an alternative CorbaServer.

Module: com.ibm.cics.ejs.csi.MethodInfoStore

XMEOUT Parameters: date, time, applid, userid, DJar, bean name, CorbaServer

Destination: CEJL

DFHEJ5023E  date time applid userid Scan for CorbaServer CorbaServer failed, the djardir djardir is not a valid HFS directory.

Explanation: A CorbaServer scan failed because the djardir attribute on the CorbaServer definition is invalid. The djardir is invalid either because it is not an HFS directory or CICS does not have read access to it.

System action: The scan fails. There is no change to the currently installed set of DJar resources.

User response: Check the HFS directory exists and is accessible by CICS.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand

XMEOUT Parameters: date, time, applid, userid, CorbaServer, djardir

Destination: CEJL

DFHEJ5024I  date time applid userid Scan commencing for CorbaServer CorbaServer, directory being scanned is djardir.

Explanation: A CorbaServer scan has been requested against the specified CorbaServer. This message also indicates the HFS directory that is scanned for new or updated deployed jars. When the scan has completed a summary message is produced indicating how many new DJar resources have been created and how many have been updated.

System action: None.

User response: None.

Module: DFHEJCG

XMEOUT Parameters: date, time, applid, userid, CorbaServer, djardir

Destination: CEJL

DFHEJ5025I  date time applid userid Scan completed for CorbaServer CorbaServer, newdjarcnt newdjarcnt DJars created, upddjarcnt DJars updated.

Explanation: A CorbaServer scan has completed against the specified CorbaServer. The message indicates how many new DJar resources have been created based on the contents of the scanned djardir. It also indicates how many DJar resources have been upgraded due to new versions of jar files being discovered in the djardir.

System action: None.

User response: None.

Module: DFHEJDG

XMEOUT Parameters: date, time, applid, userid, CorbaServer, newdjarcnt, upddjarcnt

Destination: CEJL

DFHEJ5026W  date time applid userid Scan for CorbaServer CorbaServer is ignoring subdir subdir which was found to exist in the djardir djardir.

Explanation: During a scan operation against the specified CorbaServer, CICS discovered a subdirectory in the djardir. The subdirectory is ignored. Scan does not recurse into subdirectories when looking for deployed jars to install.

System action: The scan continues, simply ignoring the subdirectory.

User response: The subdirectory does not harm the scan operation, but it may be advisable to remove it from the djardir as the scan operation always has to look at every object (directory or file) that exists in the djardir when performing a scan.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand

XMEOUT Parameters: date, time, applid, userid, CorbaServer, subdir, djardir

Destination: CEJL

DFHEJ5027W  date time applid userid Scan for CorbaServer CorbaServer is ignoring the file file found in the djardir djardir because it has an incorrect file suffix.

Explanation: During a scan operation against the specified CorbaServer, CICS discovered a file that has an incorrect suffix. The scan code is looking for candidate deployed jar files and these files are expected to have .jar as their file suffix.

System action: The scan continues, simply ignoring the incorrectly named file.
DFHEJ5028W  DFHEJ5032I

User response: If the file was meant to be installed as a DJar resource in CICS, it should be renamed such that it ends .jar. If the file is not a deployed jar file, it should be deleted since CICS will examine it every time a scan is executed against this CorbaServer.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand
XMEOUT Parameters: date, time, applid, userid, CorbaServer, file, djardir
Destination: CEJL

DFHEJ5028W  date time applid userid Scan for CorbaServer CorbaServer is ignoring the file file found in the djardir djardir because the filename is too long.

Explanation: During a scan operation against the specified CorbaServer, CICS discovered a file whose name was too long for it to be installed into CICS as a DJar resource. The maximum length for deployed jar file names on HFS is 36 characters. That is a 32 character base name plus four characters for the .jar suffix. The DJar resource installed in CICS uses the basename for the deployed jar file as its resource name.

System action: The scan continues, simply ignoring the file whose name is too long.

User response: If the file was meant to be installed as a DJar resource in CICS, it should be renamed such that its basename is less than 33 characters. If it is not a deployed jar file, it should be deleted since CICS examines it every time a scan is executed against this CorbaServer.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand
XMEOUT Parameters: date, time, applid, userid, CorbaServer, file, djardir
Destination: CEJL

DFHEJ5030I  date time applid userid New DJar Djar is being created during a scan against CorbaServer CorbaServer.

Explanation: A new deployed jar file has been discovered on HFS during a scan. A corresponding CICS DJar resource is being automatically created to represent it. The DJar resource then goes through the normal stages of DJar resolution before it is ready for use.

System action: None.

User response: None.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand
XMEOUT Parameters: date, time, applid, userid, Djar, CorbaServer
Destination: CEJL

DFHEJ5031I  date time applid userid DJar Djar is being updated during a scan against CorbaServer CorbaServer.

Explanation: An update has been detected for a DJar resource. CICS compares the last modification time of the deployed jar file on HFS with the last modification time stored in the DJar resource definition. If the deployed jar file on HFS is newer than the currently installed resource, the DJar resource goes through the resolution process again, this causes the new version of the deployed jar file on HFS to be picked up.

System action: None.

User response: None.

Module: com.ibm.cics.ejs.csi.commands.ScanCommand
XMEOUT Parameters: date, time, applid, userid, Djar, CorbaServer
Destination: CEJL

DFHEJ5032I  date time applid userid DJar Djar is having its contents automatically published to the namespace.

Explanation: When a DJar completes resolution and becomes inservice, CICS checks the autopublish setting for the related CorbaServer. If autopublish is set to YES, the DJar is automatically published to the namespace.
DFHEJ5034I  Scan completed for CorbaServer CorbaServer, no Djars created, no DJars updated.

Explanation: A CorbaServer scan has completed against the specified CorbaServer. The message indicates how many new DJar resources have been created based on the contents of the scanned djardir. It also indicates how many DJar resources have been upgraded due to new versions of jar files being discovered in the djardir.

System action: None.
User response: None.
Module: DFHEJDG
XMEOUT Parameters: date, time, applid, userid, CorbaServer
Destination: CEJL

DFHEJ5035W The pickup directory for CorbaServer CorbaServer could not be read.

Explanation: A CorbaServer scan has discovered that the pickup directory could not be read. This may be because the region does not have read access to the HFS directory.

System action: The scan ends and no djar resources are installed.
User response: Check that the directory exists and that the read access permissions are set.
Module: DFHEJDG
XMEOUT Parameters: date, time, applid, userid, CorbaServer
Destination: CEJL

DFHEJ5036W The LDAP service provider is being configured to initialize to context ldap_context on the nameserver ldap_server.

Explanation: CICS has processed the supplied system properties and jndi properties, and it has determined the location upon the LDAP server where it attempts to place the InitialContext. The context described in the message is made up of several properties, containerdn and noderootrdn amongst them.

System action: CICS continues processing. Any subsequent namespace processing against LDAP occurs relative to the named context.
User response: No action is necessary unless the context is not as expected. If there is a problem with it, check the settings of the noderootrdn and containerdn LDAP properties, the CICS LDAP documentation and
your LDAP administrator can help ensure they are set appropriately.

Module: com.ibm.cics.ejs.csi.commands.AdminCommand

**XMEOUT Parameters:** date, time, applid, userid, ldap_context, ldap_server

**Destination:** CEJL

---

**DFHEJ5039E** date time applid userid Unable to publish bean bean_name to JNDI server jndi_server at location jndi_location because a JNDI context exists at that location.

**Explanation:** CICS has failed to publish the home for the bean in the JNDI namespace. This is because at the location CICS tried to publish the bean a JNDI context was found. CICS is unable to overwrite a context with a bean reference. The location where CICS attempted to publish the bean is included in the message.

**System action:** The bean is not published. CICS continues to publish any further beans from the CorbaServer or DJar against which the publish operation was issued.

**User response:** It is likely that another CorbaServer is sharing the same JNDI namespace and has a JNDI prefix that clashes with the JNDI prefix of the CorbaServer whose contents are currently being retracted. This may be a CorbaServer in another CICS region. In order to avoid such clashes, it is advisable to have an organized structure for JNDI prefixes used by CorbaServers sharing a namespace. This could include the machine name, region name and CorbaServer name in the JNDI prefix. Clashes usually occur because the name of a bean conflicts with a component of the JNDI prefix defined for the other CorbaServer. One of the CorbaServers must have its JNDI prefix altered to avoid this clash.

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**DFHEJ5041E** date time applid userid DJar (djar_name) is not being installed. It contains a bean (bean_name) whose method (method_name) has no transaction attribute specified in the deployment descriptor.

**Explanation:** The container was attempting to install a bean which has been deployed to use container managed transactions. The container was unable to find a suitable transaction attribute for a bean method whilst processing the DJar’s deployment descriptor. According to the EJB Specification, the deployment descriptor must contain valid transaction attributes for all methods defined on the remote interface (excluding ejbCreate and ejbRemove methods which always run as NotSupported). This does not imply that each individual method must have an entry in the deployment descriptor as it is valid to use a wildcard to give all methods on the bean the same transactional characteristics. The message describes which jar file, bean and method it encountered problems with.

**System action:** The bean and its containing DJar fail to install.

**User response:** Modify the deployment descriptor in a suitable deployment tool to ensure that all the methods on the remote interface have a valid transaction attribute set.

---

**DFHEJ5040E** date time applid userid Unable to retract bean bean_name from JNDI server jndi_server at location jndi_location because a JNDI context exists at that location.

**Explanation:** CICS has failed to retract the home for the bean from the JNDI namespace. This is because at the location CICS tried to retract the bean reference a JNDI context was found. CICS does not attempt to unbind the context because it is likely to be an area of the JNDI namespace in use by another CorbaServer.
An exception occurred processing DJar file_name. The following exception message may help to diagnose the problem:

**Exception message**

**Explanation:** CICS has failed to install a DJAR. This is probably due to a problem in the EJB-Jar file. This may be due to an invalid deployment descriptor, unresolved classpath requirement or the EJB-Jar file not having been 'deployed'. A Java exception was generated during the processing of the DJAR. The message string associated with the exception is included in this message.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Read the message from the Java exception and fix the problem. You will probably need to use the Application Assembly Tool (AAT) to verify or change the contents of the deployment descriptor for this DJAR. Ensure that any classes needed by the enterprise beans in this DJAR are available either in the DJAR or on the shared application class path. Ensure that you 'deployed' the EJB-Jar file using the 'Generate code for deployment' option within AAT.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, file_name, exception_message

**Destination:** CEJL

---

**DFHEJ5045E** date time applid userid Error found in the deployment descriptor for DJar djar_name. Duplicate element of type element_type found with name element_name.

**Explanation:** CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, an element of type element_type has been found which duplicates a similar element with the same name. The duplicated name is element_name.

According to the EJB 1.1 specification this element name cannot be duplicated within the same deployment descriptor.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name, element_type, element_name

**Destination:** CEJL

---

**DFHEJ5046E** date time applid userid DJar djar_name is invalid.

**Explanation:** CICS has failed to install a DJAR. This is because a problem was discovered while trying to access or interpret the jar file.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Ensure that the HFS file specified on the DJAR resource definition exists. Also check that CICS has read permission for this file, that the file has been transferred in binary mode and that the file conforms to the jar file format.

The HFS file attribute of the DJAR resource definition is case sensitive. Please ensure that it has been entered correctly.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name

**Destination:** CEJL

---

**DFHEJ5047E** date time applid userid Error found in the deployment descriptor for DJar djar_name. An element of type element_type and value element_value references another element that cannot be found.
DFHEJ5048E  DFHEJ5050E

Explanation: CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, a cross reference has been found which cannot be resolved. The reference was found in a *element_type* element of the deployment descriptor. The value in this element is *element_value*.

For example, a role-link element may have been found where the textual content of the role-link does not represent a valid security-role element from this same deployment descriptor.

*System action:* The DJAR is put in the UNRESOLVED state.

*User response:* Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

*Module:* com.ibm.cics.ejs.csi.ContainerUtil

*XMEOUT Parameters:* date, time, applid, userid, djar_name, element_type, element_value

*Destination:* CEJL

---

DFHEJ5049E date time applid userid Error found in the deployment descriptor for DJAR djar_name. Bean bean_name implements the SessionSynchronization interface but has a n incompatible deployment descriptor.

Explanation: CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, bean *bean_name* implements the javax.ejb.SessionSynchronization interface but the deployment descriptor has conflicting values specified.

According to the EJB 1.1 specification, if a session bean implements session synchronization, it must be stateful, use container managed transactions and limit itself to TxRequired, TxRequiresNew or TxMandatory transactions.

*System action:* The DJAR is put in the UNRESOLVED state.

*User response:* Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

*Module:* com.ibm.cics.ejs.csi.ContainerUtil

*XMEOUT Parameters:* date, time, applid, userid, djar_name, bean_name, interface_name

*Destination:* CEJL

---

DFHEJ5050E date time applid userid Error found in the deployment descriptor for DJAR djar_name. An element of type *element_type* and value *element_value* for bean *bean_name* has an invalid value.

Explanation: CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, an XML element has been found with an invalid value.

Many elements of the deployment descriptor are only permitted to have one of a small number of possible values. For example, the transaction-type element may only contain the values 'Bean' or 'Container'. These values are case sensitive.

*System action:* The DJAR is put in the UNRESOLVED state.

*User response:* Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

*Module:* com.ibm.cics.ejs.csi.ContainerUtil

*XMEOUT Parameters:* date, time, applid, userid, djar_name, bean_name, interface_name

*Destination:* CEJL
Destination: CEJL

**DFHEJ5051E** 
*date-time applid userid DJar djar_name is not fully deployed. Class class_name cannot be found.*

**Explanation:** CICS has failed to install a DJAR. This is because the jar file has not been fully deployed. The process of ‘deploying’ an ejb-jar file causes some infrastructure code to be generated. This code is required by CICS but is absent from the jar file. The class that CICS was looking for but could not find is indicated in *class_name*.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Use the WebSphere Application Assembly Tool (AAT) or equivalent to produce the deployed jar file required by CICS.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name, class_name

Destination: CEJL

---

**DFHEJ5052E** 
*date-time applid userid Error found in the deployment descriptor for DJar djar_name. An element of type parent_element is missing a subelement of type missing_element.*

**Explanation:** CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, an XML element of type *missing_element* should have been found beneath any element of type *parent_element*. The missing element is required.

For example, the 'assembly-descriptor' subelement of the 'ejb-jar' element may be missing.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name, parent_element, missing_element

Destination: CEJL

---

**DFHEJ5053E** 
*date-time applid userid Missing Resource in DJar djar_name. Resource resource_name cannot be found.*

**Explanation:** CICS has failed to install a DJAR. This is because a class or other resource required by the DJAR cannot be found. The missing resource may be the XML deployment descriptor, the XMI bindings file or a Java class. The name of the missing resource is given in *resource_name*.

If the missing resource is a Java class, this class is required by either the bean's home interface or the bean's remote interface and should be present in the jar file.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Correct the deployment descriptor and/or classes in the jar file. To do this you may need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name, resource_name

Destination: CEJL

---

**DFHEJ5054E** 
*date-time applid userid Error found in the deployment descriptor for DJar djar_name. An element of type element_type and value 'element_value' is not a valid XML NMTOKEN.*

**Explanation:** CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. Specifically, an XML element has been found with an invalid value.

The bean-name and role-name elements of the deployment descriptor are defined in the EJB specification as having to conform to the lexical rules for an NMTOKEN. One of these elements was found which contained an illegal NMTOKEN character.

The full definition of an NMTOKEN can be found here: http://www.w3.org/TR/1998/REC-xml-19980210#NT-Nmtoken.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

**Module:** com.ibm.cics.ejs.csi.ContainerUtil

**XMEOUT Parameters:** date, time, applid, userid, djar_name, element_type, element_value

Destination: CEJL
DFHEJ5055E  date time applid userid Error found in the deployment descriptor for DJar djar_name. No Session beans defined.

Explanation: CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. The deployment descriptor is valid but does not contain any Session beans.

A EJB-jar file must contain at least one Session bean before CICS is able to install it.

System action: The DJAR is put in the UNRESOLVED state.

User response: Correct the deployment descriptor. To do this you need to use WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

Module: com.ibm.cics.ejs.csi.ContainerUtil

XMEOUT Parameters: date, time, applid, userid, djar_name

Destination: CEJL

DFHEJ5056E  date time applid userid Error found in the deployment descriptor for DJar djar_name. An element of type element_type and name element_name is missing a JNDI binding.

Explanation: CICS has failed to install a DJAR. This is because an element in the EJB-Jar file's deployment descriptor has not been bound to a JNDI lookup string.

All 'resource-ref' elements and many 'ejb-ref' elements have to be associated with a JNDI string. This is done using the WebSphere Application Assembly Tool. The JNDI bindings are stored in a separate XML bindings file in the EJB-Jar file.

System action: The DJAR is put in the UNRESOLVED state.

User response: Add the JNDI bindings. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the XML bindings file for this DJAR.

Module: com.ibm.cics.ejs.csi.ContainerUtil

XMEOUT Parameters: date, time, applid, userid, djar_name, element_type

Destination: CEJL

DFHEJ5057E  date time applid userid Error found in the deployment descriptor for DJar djar_name. An unexpected element of type element_type was found.

Explanation: CICS has failed to install a DJAR. This is because an unexpected element has been found in the EJB-Jar file's deployment descriptor.

Some combinations of XML elements in the deployment descriptor are invalid. For example, if a session bean is defined to use bean managed transactions, it must not have any container-transaction elements associated with it.

System action: The DJAR is put in the UNRESOLVED state.

User response: Correct the deployment descriptor. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to verify or change the contents of the deployment descriptor for this DJAR.

Module: com.ibm.cics.ejs.csi.ContainerUtil

XMEOUT Parameters: date, time, applid, userid, djar_name, element_type

Destination: CEJL

DFHEJ5058 E  date time applid userid XML Parse failure in the deployment descriptor for DJar djar_name. Problem found at line line_number and column column_number. The XML parser returned the following exception message: 'XML_message'.

Explanation: CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's deployment descriptor. The XML parser was unable to validate the deployment descriptor or the XML bindings file as the deployment descriptor is invalid.

The XML parser issued a message which is available in XML_message.

System action: The DJAR is put in the UNRESOLVED state.

User response: Use the XML_message to find and fix the problem in the deployment descriptor.

Module: com.ibm.cics.ejs.csi.ContainerUtil

XMEOUT Parameters: date, time, applid, userid, djar_name, line_number, column_number, XML_message

Destination: CEJL

DFHEJ5059W  date time applid userid One or more non-Session beans were found and ignored for DJar djar_name.

Explanation: The deployment descriptor for DJAR djar_name contained references to enterprise beans which cannot be installed in CICS as they are not Session beans. CICS does not support non-Session enterprise beans such as Entity beans or Message-Driven beans.

System action: The non-Session beans are ignored. Processing continues.

User response: Either remove these beans from the deployment descriptor or ignore this warning.
CICS does not tolerate the presence of EJB 2.0 local interfaces.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Remove the local interfaces. To do this you need to use the WebSphere Application Assembly Tool (AAT) or equivalent to remove the interfaces and to regenerate the EJB Jar file's deployed code.

**Explanation:** The EJB Container is unable to activate a bean. The bean being activated is named in the bean insert of the message. The class trying to activate the bean is named in class and the specific exception which caused the failure is given in exception.

The most common cause for this problem is a Class-Path entry in the manifest file that includes absolute file locations.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Either fix the manifest file or remove the manifest file from the jar file.

**Explanation:** CICS has failed to install a DJAR. This is due to a problem in the EJB-Jar file's manifest file. The manifest file contains an invalid entry. The entry which contained the problem is called attribute.

The most common cause for this problem is a Class-Path entry in the manifest file that includes absolute file locations.

**System action:** The DJAR is put in the UNRESOLVED state.

**User response:** Either fix the manifest file or remove the manifest file from the jar file.

**Module:** com.ibm.ejs.container.passivator.StatefulPassivator

**XMEOUT Parameters:** date, applid, userid, bean, class, exception

**Destination:** CEJL

---

**DFHEJ5062E** date time applid userid A problem was found in the deployment descriptor for DJar djar_name. Bean bean_name has EJB 2.0 local interfaces. These are not supported in CICS.

**Explanation:** The EJB Container is unable to passivate a bean. The bean being passivated is named in the bean insert of the message. The class trying to passivate the bean is named in class and the specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues but it is unlikely that any subsequent operations on the specified bean will be possible.

**User response:** If the exception contains the text 'IOexception', then this may indicate a problem with writing the serialized bean to the bean store.

**Module:** com.ibm.ejs.container.passivator.StatefulPassivator

**XMEOUT Parameters:** date, applid, userid, bean, class, exception

**Destination:** CEJL
**DFHEJ5103E • DFHEJ5108E**

**XMEOUT Parameters:** date, time, applid, userid, bean, class, exception

**Destination:** CEJL

---

**DFHEJ5103E** date time applid userid Unable to passivate enterprise bean bean class exception.

**Explanation:** The EJB Container is unable to passivate a bean. The bean being passivated is named in the bean insert of the message. The class trying to passivate the bean is named in class and the specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues but it is unlikely that any subsequent operations on the specified bean will be possible.

**User response:** If the exception contains the text 'IOException', then this may indicate a problem with writing the serialized bean to the bean store.

**Module:** com.ibm.ejs.container.activator.ActivationStrategy

**XMEOUT Parameters:** date, time, applid, userid, bean, class, exception

**Destination:** CEJL

---

**DFHEJ5104E** date time applid userid Exception thrown by discard strategy element exception.

**Explanation:** The EJB Container is unable to evict an element from its cache. The element being evicted is named in the element insert of the message. The specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues. As the element was being removed from the cache, then no further operations on it would be expected.

**User response:** None.

**Module:** com.ibm.ejs.util.cache.Cache

**XMEOUT Parameters:** date, time, applid, userid, element, class, exception

**Destination:** CEJL

---

**DFHEJ5105E** date time applid userid Encountered a failure in the fireAlarm method exception.

**Explanation:** The EJB Container has encountered a problem while firing an alarm. The specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues.

**User response:** None.

**Module:** com.ibm.ejs.util.am.AlarmManager

**XMEOUT Parameters:** date, time, applid, userid, exception

**Destination:** CEJL

---

**DFHEJ5106E** date time applid userid Failed to get the wrapper for home: exception.

**Explanation:** The EJB Container is unable to locate the home wrapper for a bean object. The specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues.

**User response:** None.

**Module:** com.ibm.ejs.container.BeanO

**XMEOUT Parameters:** date, time, applid, userid, class, exception

**Destination:** CEJL

---

**DFHEJ5107E** date time applid userid LRU thread was interrupted. Terminating. exception.

**Explanation:** The thread within the EJB Container, which monitors elements in the cache which are potential candidates for removal, has been interrupted. The specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues.

**User response:** None.

**Module:** com.ibm.ejs.util.cache.BackgroundLruEvictionStrategy

**XMEOUT Parameters:** date, time, applid, userid, class, exception

**Destination:** CEJL

---

**DFHEJ5108E** date time applid userid Caught an exception during LRU sweep class exception.

**Explanation:** An unexpected exception occurred in the thread, within the EJB Container, which monitors elements in the cache which are potential candidates for removal. The specific exception which caused the failure is given in exception.

**System action:** Processing of the EJB Container continues.

**User response:** None.

**Module:** com.ibm.ejs.util.cache.BackgroundLruEvictionStrategy

**XMEOUT Parameters:** date, time, applid, userid, class, exception

**Destination:** CEJL
DFHEJ5109E  date time applid userid Coordinator was not available exception.

Explanation: An unexpected exception occurred when the Container tried to get the transaction coordinator. The specific exception which caused the failure is given in exception.

System action: Processing of the EJB Container continues.

User response: None.

Module: com.ibm.webSphere.csi.TransactionControlImpl

XMEOUT Parameters: date, time, applid, userid, exception

Destination: CEJL

DFHEJ5110E  date time applid userid Bean bean_name has an incomplete EJB Reference. Reference is reference.

Explanation: Whilst processing the deployment descriptor for a bean, the container found an EJB reference was not fully specified. An EJB reference must have either a valid ejb-link to another EJB within the same Jar file or it must have a valid binding specified.

System action: The bean and its containing DJar fail to install.

User response: Modify the EJB reference in a suitable deployment tool and add either a valid ejb-link or binding.

Module: com.ibm.ejs.container.BeanMetaData

XMEOUT Parameters: date, time, applid, userid, bean_name, reference

Destination: CEJL

DFHEJ5111E  date time applid userid Bean bean_name has an incomplete EJB Resource Reference specified. Resource Reference is reference.

Explanation: Whilst processing the deployment descriptor for a bean, the container found an EJB resource reference that did not have a binding specified. A valid resource reference must have a binding specified.

System action: The bean and its containing DJar fail to install.

User response: Modify the resource reference in a suitable deployment tool and enter a suitable binding value.

Module: com.ibm.ejs.container.BeanMetaData

XMEOUT Parameters: date, time, applid, userid, bean_name, reference

Destination: CEJL

DFHEJ5112E  date time applid userid Bean bean_name has an EJB environment entry with an invalid value specified. Environment entry is env_entry.

Explanation: Whilst processing the deployment descriptor for a bean, the container found an EJB environment entry whose value was null. Environment entries must have a value specified in order to be valid.

System action: The bean and its containing DJar fail to install.

User response: Modify the environment entry in a suitable deployment tool and set a value appropriate to the type of the entry.

Module: com.ibm.ejs.container.BeanMetaData

XMEOUT Parameters: date, time, applid, userid, bean_name, env_entry

Destination: CEJL

DFHEJ5113E  date time applid userid Unexpected naming problem occurred: message

Explanation: An unexpected message was produced by the CICS/WebSphere JNDI code. The full text of this message should explain the problem.

System action: The behaviour of the system depends on the kind of naming problem. Naming problems could occur during bean publish, bean retract or bean lookup, any of these three operations may fail depending on the severity of the error.

User response: If unable to determine an appropriate action from the full CICS message, lookup the WebSphere naming message code (NMSVnnnn) in your WebSphere documentation.


XMEOUT Parameters: date, time, applid, userid, message

Destination: CEJL

DFHEJ5114E  date time applid userid The class com.ibm.ejs.jndi.CNInitialContextFactory has been deprecated as the CICS initial context factory. Class com.ibm.websphere.naming.WsnInitialContextFactory has replaced it.

Explanation: The JNDI initial context factory which is specified as property java.naming.factory.initial has been set to com.ibm.ejs.nd.jndi.CNInitialContextFactory. This value specifies a deprecated class and has been replaced by com.ibm.websphere.naming.WsnInitialContextFactory.

System action: Depending on the kind of naming operation attempted, it may succeed or fail.

User response: Begin using the new initial context
factory as soon as possible. This can be achieved by ensuring the java.naming.factory.initial property is set to the correct value, or by ensuring it is not set anywhere, so CICS can default appropriately. If unsure where it is being set, check the system properties file and any jndi.properties that exist on the classpath for the CICS system.

**Module:** com.ibm.ejs.ns.jndi.CNInitialContextFactory

**XMEOUT Parameters:** date, time, applid, userid

**Destination:** CEJL

DFHEJ6000E  
**date time applid userid** The CICS EJB container failed to find the requested plugin plugin.

**Explanation:** The CICS EJB container attempted to instantiate the requested plugin class plugin but the container could not find this class on the current classpath.

**System action:** The plugin is not loaded.

**User response:** Examine the value set for the classpath in the JVM profile being used from the XDFHENV data set. The pathname for the requested plugin must be present in the classpath.

---

**DFHEMnnnn messages**

DFHEM0001  
**applid** An abend (code aab/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aab/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEMDM, DFHEMEM.

**XMEOUT Parameters:** applid, aab/bbbb, X'offset', modname

**Destination:** Console

DFHEM0002  
**applid** A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module
The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEMDM, DFHEMEM.

---

**DFHEPnnnn messages**

**DFHEP0001** applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.
If you cannot continue without the full use of module `modname` you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEPDM  
**XMEOUT Parameters:** `applid, aaa/bbbb, X'offset', modname`  
**Destination:** Console

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**DFHEP0002** `applid A severe error (code X'code') has occurred in module modname.`

**Explanation:** An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

**System action:** An exception entry (code `code` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer. This indicates a possible error in CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

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**DFHEP0101I** `applid Event Processing domain initialization has started.`

**Explanation:** This is an informational message indicating the start of Event Processing domain initialization.

**System action:** Initialization continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSGLV=0.

---

**Module:** DFHEPDM  
**XMEOUT Parameter:** `applid`  
**Destination:** Console

---

**DFHEP0102I** `applid Event Processing domain initialization has ended.`

**Explanation:** Event Processing domain initialization has completed successfully.

**System action:** Initialization continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSGLV=0.

---

**Module:** DFHEPDM  
**XMEOUT Parameter:** `applid`  
**Destination:** Console

---

**DFHEP0113** `applid CEM is stopping Event Processing after a severe error.`

**Explanation:** A previously reported error caused the CEPM task to terminate and restart.

**System action:** CEPM instructs EP domain to drain its queues and event processing is stopped. Event processing can be started again by issuing a SET EVENTPROCESS command.

**User response:** Inform the system programmer. This indicates a possible error in the CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

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**Module:** DFHEPEV  
**XMEOUT Parameter:** `applid`  
**Destination:** Console

---

**DFHEP0114** `date time applid tranid The EPADAPTER user ID adapter_userid is revoked, not valid, or not defined. An event from EVENTBINDING evbname has been discarded.`

**Explanation:** The user ID `adapter_userid` of the EP adapter for event binding `evbname` is revoked, not valid, or not defined.
**DFHEP0115 • DFHEP0119**

**DFHEP0115 applid Event Processing event dispatcher task limit reached.**

**Explanation:** The upper limit of L8 TCBs used for event processing dispatcher tasks has been reached. Event processing limits the number of L8 TCBs used for EP dispatchers to one third of the value specified for the MAXOPENTCBS system initialization parameter.

**System action:** The event processing event queue server task is not able to create any new dispatcher tasks but will append any new events to be dispatched to existing dispatcher tasks.

**User response:** If the configured event adapter is linked to by the dispatcher task then ensure that the consumer of the event is able to process the event. If MAXOPENTCBS is set too low then new dispatcher tasks will not be used. Increasing MAXOPENTCBS may enable the event processing event queue server to start more dispatcher tasks.

**Module:** DFHEPSY

**XMEOUT Parameter:** applid

**Destination:** Console

**DFHEP0116 applid Event Processing event dispatcher task limit relieved.**

**Explanation:** Event processing dispatcher task limit is relieved.

**System action:** The event processing event queue server task is now able to create new dispatcher tasks to process any new events.

**User response:** If the configured event adapter is linked to by the dispatcher task then ensure that the consumer of the event is able to process the event. Ensure that event processing does not use an excessive number of open API TCBs. Decreasing MAXOPENTCBS will enable the event processing event queue server to limit the number of dispatcher tasks.

**Module:** DFHEPSY

**XMEOUT Parameter:** applid

**Destination:** Console

**DFHEP0117 applid The EPADAPTER transaction ID adapter_tranid is disabled or undefined. An event from EVENTBINDING evbname has been discarded.**

**Explanation:** The transaction ID adapter_tranid of the EP adapter for event binding evbname is disabled or not defined.

**System action:** The event is not emitted.

**User response:** Define the intended EP adapter transaction ID. See the CICS Transaction Server for z/OS Resource Definition Guide for instructions on defining a transaction.

**Module:** DFHEPEV

**XMEOUT Parameters:** date, time, applid, tranid, adapter_userid, evbname

**Destination:** CEPO

**DFHEP0118 applid The EPADAPTER transaction ID adapter_tranid is remote. An event from EVENTBINDING evbname has been discarded.**

**Explanation:** The transaction ID adapter_tranid of the EP adapter for event binding evbname is defined as remote from this CICS region.

**System action:** The event is not emitted.

**User response:** Define the intended EP adapter transaction ID as local to the CICS region identified by applid. See the CICS Transaction Server for z/OS Resource Definition Guide for instructions on defining a transaction.

**Module:** DFHEPEV

**XMEOUT Parameters:** applid, adapter_tranid, evbname

**Destination:** Console

**DFHEP0119 date time applid tranid Event Processing Global Event Queue depth: number_events_queued High Water Mark: events_queued_hwm.**

**Explanation:** Events are queued on the global event queue for processing. Global Event Queue depth is the number of events currently queued on the global event queue. High Water Mark is the highest number of events queue on the global event queue.

**System action:** The CEPM task is either busy processing existing events or has ended.

**User response:** None.

**Module:** DFHEPEV

**XMEOUT Parameters:** date, time, applid, tranid, number_events_queued, events_queued_hwm

**Destination:** CEPO
**DFHEP0120**  
`date time applid tranid The EPADAPTER transaction ID adapter_tranid is defined to start the wrong program for this type of adapter. An event from EVENTBINDING evbname has been discarded.`

**Explanation:** The transaction ID `adapter_tranid` of the EP adapter for event binding `evbname` is defined to start the wrong program for this type of adapter. An event from `EVENTBINDING evbname` has been discarded.

**System action:** The event is not emitted.

**User response:** Define the intended EP adapter transaction ID to start the correct program for this type of adapter. See the CICS Transaction Server for z/OS Resource Definition Guide for instructions on defining a transaction.

**Module:** DFHEPEV  
**XMEOUT Parameters:** `date, time, applid, tranid, adapter_tranid, evbname`  
**Destination:** CEPO

---

**DFHEP0121**  
`date time applid Synchronous event emission by EPADAPTER epadapter failed for an event from EVENTBINDING evbname. The UOW will be backed out.`

**Explanation:** Synchronous event emission by EP adapter `epadapter` failed for event binding `evbname` and so the unit of work (UOW) will be backed out.

Event processing events that are configured for synchronous emission but are not successfully emitted cause the originating unit of work to be backed out at the next sync point.

**System action:** Processing continues, but at the next sync point the unit of work will be backed out.

**User response:** A preceding message and an exception entry in the trace table indicates why the event was not emitted, and the required user response.

**Module:** DFHEPEV  
**XMEOUT Parameters:** `date, time, applid, epadapter, evbname`  
**Destination:** CEPO

---

**DFHEP0122**  
`applid The EPADAPTER transaction ID adapter_tranid is not enabled for use during CICS shutdown. An event from EVENTBINDING evbname has been discarded.`

**Explanation:** The transaction ID `adapter_tranid` of the EP adapter for event binding `evbname` is not defined to run during CICS shutdown.

**System action:** The event is not emitted.

**User response:** Redefine the EP adapter transaction ID `adapter_tranid` with the option `SHUTDOWN(ENABLED)`. See the CICS Transaction Server for z/OS Resource Definition Guide for instructions on defining a transaction.

**Module:** DFHEPEV  
**Destination:** Console

---

**DFHEP1000**  
`date time applid Invalid parameter list passed to EP domain module modname.`

**Explanation:** A call was made to module `modname` of the Event Processing (EP) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

**System action:** An exception trace is written by EP domain, a system dump is taken and the task in progress is abended. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Use the dump to determine the fault in the calling component.

**Module:** DFHEPRL, DFHEPAD  
**XMEOUT Parameters:** `date, time, applid, modname`  
**Destination:** CEPO

---

**DFHEP1001**  
`date time applid EP domain is quiescing but adapter_tasks EP adapter tasks are still active.`

**Explanation:** EP domain is quiescing but EP adapter tasks are still active. CICS waits for a maximum of 2 minutes during shutdown for all EP adapter tasks to complete before continuing with quiesce.

**System action:** CICS shutdown continues and some events might be lost.

**User response:** Inspect the CICS log and EP domain message log for any messages which might help explain why the EP adapter tasks are still active.

**Module:** DFHEPEV  
**XMEOUT Parameters:** `applid, adapter_tasks`  
**Destination:** Console

---

**DFHEP1001**  
`date time applid EPADAPTER adaptername from BUNDLE bundle installed successfully.`

**Explanation:** EPADAPTER `adaptername` from BUNDLE `bundle` has been installed successfully.

**System action:** Processing continues.

**User response:** None required.

**Module:** DFHEPRL
**DFHEP1002 • DFHEP2001**

**XMEOUT Parameters:** date, time, applid, adaptername, bundle

**Destination:** CEPO

---

**DFHEP1002**

date time applid EPADAPTER adaptername from BUNDLE bundle discarded successfully.

**Explanation:** EPADAPTER adaptername from BUNDLE bundle has been discarded successfully and removed from this system.

**System action:** Processing continues.

**User response:** None required.

**Module:** DFHEPRL

---

**DFHEP2001**

date time applid The CICS event processing domain failed to create EPADAPTER resource adapter in BUNDLE bundle because the EP adapter, which is of type adapterType and emission mode emitmode, requires a program name. 1, does not support transactional events. 1, requires a transaction ID. 1, is invalid or unrecognised. 1, has an invalid or unsupported event format. 1, has an unsupported combination of attributes.

**Explanation:** An error has occurred creating EPADAPTER adapter in BUNDLE bundle because of a problem with the EP adapter specification. The EPADAPTER is either being installed as a separate EPADAPTER bundle part or as part of an EVENTBINDING bundle part of the same name. The EPADAPTER is of type adapterType and its emission mode is emitmode. Possible reasons include

---

**Requires a program name**

A program name is required for a custom EP adapter when the emission mode is synchronous.

**Does not support transactional events**

The EP adapter cannot be used for assured transactional events because it does not emit events to a recoverable transport. Transactional events and synchronous emission mode are mutually exclusive options for this EP adapter type.

**Requires a transaction ID**

A transaction ID is required for a custom adapter when the emission mode is asynchronous.

**Is invalid or unrecognized**

The EP adapter type, emission mode or both are unrecognized by this release of CICS.

**Has an invalid or unsupported event format**

The format field in the EP adapter configuration container returned by the XML parse function is invalid or not supported by the EP adapter type.

**Has an unsupported combination of attributes**

The emission mode is not supported by this type of EP adapter.

**System action:** An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EP adapter create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If this is a separately installed EPADAPTER, the condition is probably caused by an error or inconsistency in the EP adapter XML. If installed as part of an EVENTBINDING, the condition is probably caused by an error in the eventDispatcherSpecification section of the event binding XML. If the XML was built by the CICS event binding editor, this condition might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the XML against the appropriate event processing schema for the CICS system into which the bundle is being installed. Correct the XML, discard the BUNDLE, and reinstall it.

**Module:** DFHEPRL

---

**XMEOUT Parameters:** date, time, applid, adapter, bundle, adapterType, emitmode, {1= requires a program name, 2= does not support transactional events, 3= requires a transaction ID, 4= is invalid or unrecognized, 5= has an invalid or unsupported event format, 6= has an unsupported combination of attributes.}

**Destination:** CEPO
DFHEP2002  date time applid The CICS event processing domain failed to create the EPADAPTER resource adaptername in BUNDLE bundle because {the EP adapter name is invalid. | the XML data for the EP adapter could not be parsed. | the eventDispatcher is missing or invalid. | the configuration data is too long. | it is a duplicate of another EPADAPTER in the BUNDLE.}

Explanation: An error has occurred creating EPADAPTER adaptername in BUNDLE bundle. The EPADAPTER is either being installed as a separate EPADAPTER bundle part or as part of an EVENTBINDING bundle part of the same name. Possible reasons include:

**EP adapter name is invalid.**
The acceptable 1-32 characters of an EP adapter name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

**XML data for the EP adapter could not be parsed.**
The preceding DFHPInnnn message gives further information about the cause of the problem.

**eventDispatcher is missing or invalid**
The eventDispatcher section of the event binding or EP adapter cannot be located by the XML parser.

**Configuration data is too long**
The configuration data specified for a custom EP adapter is too long.

**Duplicate of another EPADAPTER**
The EPADAPTER being installed has the same name as a previously installed EPADAPTER from the same BUNDLE. Note that an EPADAPTER may be

- standalone: installed from a separate epadapter part within the BUNDLE
- embedded: installed with an EVENTBINDING from an evbind part within the bundle. The EPADAPTER has the same name as the related EVENTBINDING.

System action: An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If this is a separately installed EPADAPTER, the condition is probably caused by an error or inconsistency in the EP adapter XML. If the EP adapter was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the EP adapter against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the BUNDLE, and reinstall it.

Module: DFHEPRL

XMEOUT Parameters: date, time,applid, adaptername, bundle, {1=the EP adapter name is invalid., 2=the XML data for the EP adapter could not be parsed., 3=the eventDispatcher is missing or invalid., 4=the configuration data is too long., 5=it is a duplicate of another EPADAPTER in the BUNDLE.}

Destination: CEPO

DFHEP2003  date time applid The CICS event processing domain failed to create the EPADAPTER resource adaptername in BUNDLE bundle because the {LOCALCCSID SIT parameter is not supported: | EP adapter schema level is not supported: | error_data.}

Explanation: An error has occurred creating EPADAPTER adaptername in BUNDLE bundle. Possible reasons include:

**LOCALCCSID SIT parameter is not supported**
Event processing uses the LOCALCCSID system initialization parameter as the default CCSID for codepage conversion of character data. It must be a CICS supported single or multibyte EBCDIC CCSID.

**Schema level is not supported**
The CICSEPSchemaVersion and CICSEPSchemaRelease of EP adapter, error_data, must not be higher than the schema level supported by this release of CICS, which can be found by using the INQUIRE EVENTPROCESS command.

System action: An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EPADAPTER create is terminated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This is probably caused by an error or inconsistency in the EP adapter XML. If the EP adapter was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the EP adapter against the event processing schema for the CICS system into which the BUNDLE is being installed. Correct the EP adapter, discard the BUNDLE, and reinstall it.

Module: DFHEPRL
XMEOUT Parameters: date, time, applid, adaptername, bundle, 1=LOCALCCSID SIT parameter is not supported: , 2=EP adapter schema level is not supported: , error_data

Destination: CEPO

DFHEP2005  date time applid The CICS event processing domain found an inconsistency in the advanced options during install of EPADAPTER adaptername with emission mode emitmode and type adapterType. The option option is ignored.

Explanation: An incompatible option was found during install of EPADAPTER adaptername. The EPADAPTER is either being installed as a separate EPADAPTER bundle part or as part of an EVENTBINDING bundle part of the same name. The EPADAPTER is of type adapterType and its emission mode is emitmode. Possible reasons include

Transaction ID, User ID and Priority
These options are irrelevant when the emission mode is synchronous as the EP adapter is invoked within the unit of work (UOW) of the originating application.

These options are also irrelevant when a start transaction EP adapter is in use as this EP adapter is always linked, not attached.

Program name
This option is only required for a custom EP adapter in synchronous emission mode.

System action: An exception entry is made in the trace table.

The incompatible option is ignored and the EPADAPTER installation continues.

User response: If this is a separately installed EPADAPTER, this is probably caused by an error or inconsistency in the EP adapter XML. If installed as part of an EVENTBINDING, this is probably caused by an error in the eventDispatcherSpecification section of the event binding XML. If the XML was built by the CICS event binding editor this might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Correct the XML, discard the BUNDLE, and reinstall it.

Module: DFHEPRL

XMEOUT Parameters: date, time, applid, adaptername, emitmode, adapterType, option

Destination: CEPO

DFHERnnnn messages

DFHER2813I  applid Program DFHRCEX cannot be found

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action: CICS terminates abnormally with a dump.

User response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Module: DFHTCBP, DFHUSBP

XMEOUT Parameter: applid

Destination: Console

DFHER5730  applid User recovery beginning

Explanation: During warm or emergency restarts CICS issues this message when it is about to start processing records from the system log.

System action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the initial call. Processing continues.

User response: None.

Module: DFHAPRC

XMEOUT Parameter: applid

Destination: Console

DFHER5731  applid No active user records on the system log

Explanation: During warm or emergency restarts CICS issues this message when it has completed its scan of the system log and has found no active user journal records. Active user journal records are written by user applications that use commands such as EXEC CICS WRITE JOURNAL. They are written to the system log by one of the following:

- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

If there are such active user journal records, they are presented to the global user exit XRCINPT and this message is not issued.

System action: Processing continues.
DFHER5732  DFHEX0002

User response: None.
Module: DFHAPRC
XMEOUT Parameter: applid
Destination: Console

DFHER5732  applid User recovery completed
Explanation: During warm or emergency restarts CICS issues this message when it has finished processing records from the system log. Any active user journal records have by now been presented to the global user exit XRCINPT. Active user journal records are those written to the system log by one of the following:
  • A unit of work that was in flight or in doubt when the preceding CICS system terminated.
  • An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
  • The XAKUSER global user exit during the last completed activity keypoint.

System action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the final call. Processing continues.
User response: None.
Module: DFHAPRC
XMEOUT Parameter: applid
Destination: Console

DFHEXnnnn messages

DFHEX0001  An abend (code aaaa/bbbb) has occurred in module modname.
Explanation: An unexpected program check or abend aaaa/bbbb has occurred in module modname. This implies that there may be an error in external CICS interface code.
Alternatively, unexpected data has been passed on an external CICS interface call or storage has been overwritten.
The code aaaa/bbbb is, if applicable, a 3-digit hexadecimal MVS system completion code aaaa (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaaa, is, if applicable, a user abend code produced by the external CICS interface. If the user abend code is not applicable, this field is filled with four hyphens.
System action: An exception entry is made in the external CICS interface internal trace table and to the GTF trace data set (if GTF is active), and a SYSMDUMP is taken.
The external CICS interface terminates the current request, and attempts to recover to a consistent state so that further EXCI requests can be serviced. For an application using the EXCI CALL API, a response of EXCI_SYSTEM_ERROR with a REASON of ESTAE_INVOKED is returned to the application. For an application using the EXCI EXEC API, an EXECRESP of LINKERR is returned to the application, together with an EXECRESP2 of ESTAE_INVOKED or EXEC_ESTAE_INVOKED, depending on whether the call level ESTAE routine, or the EXEC level ESTAE routine was invoked.
User response: Look up the MVS code aaaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If applicable, see the description of abend code bbbb for further guidance.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHXCPRH, DFHXCEIP
Destination: Console

DFHEX0002  A severe error (code X'code') has occurred in module modname.
Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.
System action: An exception entry is made in the EXCI internal trace table and to GTF if it is active, (X'code' in the message). A system dump is taken.
This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued. For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the reason for the error. For applications using the EXCI EXEC API, the reason is returned in the EXEC_RESP2 field of the RETCODE area.
User response: This failure indicates a serious error in the external CICS interface code. For further information about the EXCI exception trace entries, refer to the CICS Problem Determination Guide.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHXCPRH, DFHXCEIP
DFHEX0003  A GETMAIN request in module
modname (code X'code') has failed.
Reason X'rc'.

Explanation: An MVS GETMAIN was issued by
template modname, but it failed with return code rc.
The code X'code' is the exception trace point ID which
uniquely identifies the place where the MVS GETMAIN
was issued.

System action: An exception entry is made in the
EXCI internal trace table (code X'code' in the message).
This is a critical error and the EXCI request is
terminated. The external CICS interface attempts to
recover to a consistent state so that further EXCI
requests can be issued.

For applications using the EXCI CALL API, the
EXCI_REASON returned to the application indicates
the point of failure.

For applications using the EXCI EXEC API, the point
of failure is returned in the EXEC_RESP2 field of the
RETCODE area.

For EXCI_REASON and EXCI_RESP of 603, the EXCI
module DFHXCPRH also issues abend 0410 which
drives the ESTAE exit. Message DFHEX0001 is issued
and a SYSMDUMP is taken.

User response: Look up the MVS GETMAIN return
code rc in the relevant MVS codes manual.

If the reason is insufficient storage, try increasing the
size of the region for the batch EXCI job.

You may need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Module: DFHXCPRH, DFHXCTRI

Destination: Console

DFHEX0004  Jobname: jobname, Stepname: stepname,
Procname procname, Sysid in SMF: sysid,
Applid: applid.

Explanation: This message accompanies message
DFHEX0001 and will provide the jobname, stepname,
procname, sysid in SMF and applid to which the EXCI
job is connecting to. If an insert value is unknown or
not specified then the message insert will read
Unknown. For example, procname and stepname are
not mandatory in an EXCI job, if they were omitted
and DFHEX0004 was issued then the inserts for
procname and stepname will read Unknown.

System action: Follow system action for DFHEX0001.
User response: Follow user response for DFHEX0001.
Module: DFHXCPRH, DFHXCEIP

Destination: Console

DFHEX0100  The installed level of CICS SVC does
not support the EXCI call.

Explanation: The external CICS interface module
DFHXCPRH detected that the level of CICS SVC
(DFHCSVC) in use does not support the external CICS
interface.

System action: The EXCI request is terminated. An
exception trace is made in the EXCI internal trace table,
and if GTF is active, in the GTF trace data set. The
external CICS interface module DFHXCPRH issues
abend 0407 which drives the ESTAE exit. Message
DFHEX0001 is issued, and a SYSMDUMP is taken.

User response: Check the level of DFHCSVC installed
in the LPA. A CICS/ESA 4.1 level of DFHCSVC is
required for the external CICS interface. Generally, the
latest level of DFHCSVC must be used when running
CICS and the external CICS interface. For more
information about installing DFHCSVC see the CICS
Transaction Server for z/OS Installation Guide.

Module: DFHXCPRH

Destination: Console

DFHEX0101  Unable to start interregion
communication because DFHIRP level
check failed.

Explanation: The call to DFHIRP to check DFHIRP's
service level has failed.

This is probably because the version of DFHIRP being
used is at a lower level than that of the External CICS
Interface (EXCI) module DFHXCPRH. A less likely
reason is that a failure occurred before DFHIRP could make the level check.

System action: The EXCI allocate pipe request is rejected. A return code is passed back to the batch application.

User response: Ensure that the correct level of DFHIRP exists in the LPA such that it matches the level of the latest CICS version in use.

Module: DFHXCPRH
Destination: Console

DFHEX0110  EXCI SDUMP has been taken.
Dumpcode: dumpcode, Dumpid dumpid.

Explanation: This message is issued on successful completion of a MVS SDUMP issued by external CICS interface module DFHXCDMP. An error, signalled by a previous message, caused a call to be made to DFHXCDMP to take a system dump.

The dump code dumpcode is an 8-character system dump code identifying the external CICS interface problem. A system dump code is the EXCI message number with the DFH prefix removed.

dumpid is the unique 9-character string identifying this dump.

System action: The EXCI request is terminated.

User response: See the EXCI message indicated by dumpcode for further guidance.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXCDMP.
Destination: Console

DFHEX0111  EXCI SDUMP attempted but SDUMP is busy - will retry every five seconds for nnnn seconds.

Explanation: At the time of the MVS SDUMP request issued by DFHXCDMP another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the dump retry parameter in the DFHXOPTS table means that the external CICS interface waits five seconds before retrying the SDUMP request. If necessary, the external CICS interface retries every five seconds for the total time specified on the retry parameter.

System action: The external CICS interface issues an MVS STIMERM macro which causes it to wait for five seconds. The request is reissued when the delay interval has expired.

User response: None.

Module: DFHXCDMP.
Destination: Console

DFHEX0112  SDUMP request failed - reason X’nn’.

Explanation: An MVS SDUMP request issued from the external CICS interface has failed to complete successfully. The possible reasons, (reason) for the failure are as follows:

ONLY PARTIAL DUMP

The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMP BUSY

At the time of the MVS SDUMP request issued by the EXCI, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the dump retry parameter in DFHXOPTS table, the EXCI has retried the SDUMP request every five seconds for the specified period. This message is only issued if SDUMP is still busy after the final retry.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMP after an SDUMP BUSY condition, the EXCI issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NO DATA SET AVAILABLE

No SYS1.DUMP data sets were available at the time the SDUMP request was issued.

REJECTED BY MVS, REASON = X’nn’

MVS has rejected the SDUMP request because of user action (for example, specifying DUMP=NO in the MVS IPL) or because of an I/O error or terminating error in the SDUMP routine. X’nn’ is the SDUMP reason code.

NOT AUTHORIZED FOR EXCI

SDUMP is not authorized for the external CICS interface.

INSUFFICIENT STORAGE

The EXCI issued an MVS GETMAIN for subpool 253 storage during the processing of the SDUMP request. The GETMAIN has been rejected by MVS.

System action: The EXCI proceeds as if the dump had been successful.

User response: The user response depends on the reasons, (reason), for the failure.

ONLY PARTIAL DUMP

Increase the size of the SYS1.DUMP data sets and cause the SDUMP request to be reissued.
SDUMP BUSY
Cause the SDUMP to be reissued after, if appropriate, increasing the dump retry time in DFHXCOPT.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

REJECTED BY MVS, REASON = X'nn
No action is required if the dump is suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Assembler Services Guide for an explanation of the SDUMP reason code X'nn.

NOT AUTHORIZED FOR EXCI
This reason is unlikely because SDUMP is unconditionally authorized during EXCI initialization, and should be authorized throughout the EXCI run. If you do get this reason, the EXCI AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

Module: DFHXCDMP
Destination: Console

DFHEX0113 EXCI trace Initialization has failed.
Explanation: An attempt to initialize external CICS interface (EXCI) trace facilities during EXCI initialization has failed.
System action: The EXCI request continues without trace facilities. An earlier message identifies the cause of the failure.
User response: Refer to the earlier message to determine the cause of the failure.
Module: DFHXCTRI
Destination: Console

DFHEX0115 EXCI trace services have been disabled due to a previous error.
Explanation: An error occurred in the external CICS interface (EXCI) trace module DFHXCTR indicated by message DFHEX0001. In trying to recover from the error, module DFHXCTRI determined that the error was not caused by accessing incorrect data passed to DFHXCTR, but was due to a program check in DFHXCTR.
System action: The EXCI trace facilities are disabled to prevent further errors. A SYSMDUMP is taken.
User response: See the DFHEX0001 message and the SYSMDUMP to determine the cause of the error.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHXCTRI
Destination: Console

DFHEX0116 Program check occurred within global trap exit - DFHXCTRA now marked unusable.
Explanation: After making a trace entry, the external CICS interface (EXCI) trace program DFHXCTR called the EXCI field engineering global trap program DFHXCTRA. A program check occurred during execution of DFHXCTRA.
System action: The EXCI marks the currently active version of DFHXCTRA as unusable and ignores it on subsequent calls to DFHXCTR for all subsequent calls made under this TCB. The EXCI request is terminated, and a SYSMDUMP is taken.
User response: Use the dump to find the cause of the program check.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHXCTRI
Destination: Console
Determination Guide for guidance on how to proceed.

You should use the global trap exit only in consultation with an IBM support representative.

**DFHFCnmmm messages**

**DFHFC0001**  
*applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

**Explanation:** An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXCTRI  
**Destination:** Console

**Module:** DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDS, DFHFCDTX, DFHFCCS, DFHFCFL, DFHFCIR, DFHFCM, DFHFCMT, DFHFCOR, DFHFCQ, DFHFCQR, DFHFCQ, DFHFCR, DFHFCRS, DFHFCR, DFHFCSD, DFHFCST, DFHFCVR, DFHFCV

**DFHFC0002**  
*applid* A severe error (code *X'code'* ) has occurred in module *modname*.

**Explanation:** An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

To discover the cause of the problem, examine the exception trace entry and immediately preceding entries. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

**System action:** An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDS, DFHFCDTX, DFHFCCS, DFHFCFL, DFHFCIR, DFHFCM, DFHFCMT, DFHFCOR, DFHFCQ, DFHFCQR, DFHFCQ, DFHFCR, DFHFCRS, DFHFCR, DFHFCSD, DFHFCST, DFHFCVR, DFHFCV.
**DFHFC0003 • DFHFC0005**

**XMEOUT Parameters:** applid, X’code’, modname  
**Destination:** Console

**DFHFC0003**  Applid Insufficient storage (code X’code’) in module modname.

**Explanation:** A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** An exception entry is made in the trace table (code X’code’ in the message). A system dump is taken, unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMMD). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCAT, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCFR, DFHFCFS, DFHFCMT, DFHFCRL, DFHFCRP, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT Parameters:** applid, X’offset’, modname

**Destination:** Console

**DFHFC0005**  Applid A hardware error has occurred (module modname, code X’code’). The Time-of-Day clock is invalid.

**Explanation:** A hardware error has occurred during the running of module modname. The MVS store clock facility is the timing mechanism for the operating system.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCAT, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCFR, DFHFCFS, DFHFCMT, DFHFCRL, DFHFCRP, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT Parameters:** applid, X’offset’, modname

**Destination:** Console
If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDCM). A message to this effect is issued.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** XMEOUT

**Parameters:** applid, modname,X'code'

**Destination:** Console

---

**Module:** XMEOUT

**Parameters:** applid, modname

**Destination:** Console

---

If the failure occurred at a critical stage during file control initialization, CICS initialization is terminated immediately with a dump, and message DFHSI1521 is not issued.

**User response:** The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0100I applid File Control initialization has started.

**Explanation:** This is an informational message indicating the start of file control initialization.

**System action:** Initialization continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0101I applid File Control initialization has ended.

**Explanation:** File control initialization has completed successfully.

**System action:** Initialization continues.

**User response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0102I applid File Control initialization has failed.

**Explanation:** File control has failed to initialize correctly.

**System action:** Message DFHSI1521 is usually issued and initialization is terminated.

If the failure occurred at a critical stage during file control initialization, CICS initialization is terminated immediately with a dump, and message DFHSI1521 is not issued.

**User response:** The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0103 applid Required module modname could not be loaded.

**Explanation:** Module modname is required by file control. It could not be loaded because it is missing from the DFHRPL library list.

**System action:** The system terminates with a system dump and code FC0103.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Ensure that module modname is in the DFHRPL library list.

**Module:** DFHFCIN1, DFHFCRP, DFHFCPS

**XMEOUT Parameters:** applid, modname

**Destination:** Console

---

DFHFC0104 applid Unexpected catalog error.

**Explanation:** File control issued a request to the catalog (CC) domain which failed. This is probably caused by an I/O error on the catalog.

**System action:** A system dump is produced with code FC0104.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Determine the cause of the error from the messages issued from the catalog domain.

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0106 applid Insufficient storage to satisfy GETMAIN request in module modname.

**Explanation:** The storage (SM) domain has insufficient space to satisfy a GETMAIN request made during CICS initialization.
DFHFC0107D  applid  Unable to load File Control table DFHFC\text{xx}. Enter either an alternative suffix, or 'YES', or 'NO'.

**Explanation:** The file control table, DFHFC\text{xx} could not be found in the DFHRPL library list during a cold or initial start of CICS.

**System action:** File control initialization waits for a reply to this message.

**User response:** Reply as follows

- With a 1 or 2 character suffix to cause file control to load DFHFC\text{xx}, or
- YES to load an unsuffixed FCT, or
- NO to initialize file control without an FCT.

**Module:** DFHFCRP

**XMEOUT Parameters:** applid, \text{xxx},DFHFC\text{xx}

**Destination:** Console

---

DFHFC0110  applid  Error, a \text{xxx} version of DFHFC\text{xx} has been loaded.

**Explanation:** DFHFCRP loaded DFHFC\text{xx} that was assembled for CICS release \text{xxx}. It is not valid to run CICS with an FCT assembled against a previous release.

**System action:** File control initialization, and hence CICS, is terminated.

**User response:** Reassemble DFHFC\text{xx} for the CICS release being used. Cold start CICS.

**Module:** DFHFCRP

---

DFHFC0118  applid  System initialization parameter requesting RLS support has been ignored because the level of VSAM does not support RLS.

**Explanation:** RLS=YES has been specified on CICS startup but the level of VSAM does not support RLS access.

**System action:** CICS initialization continues without RLS support.

**User response:** If you intend to use RLS access ensure that the level of VSAM is DFSMS 1.3 or later.

**Module:** DFHFCRP
DFHFC0119 • DFHFC0151

DFHFC0119  applid The load of callable service IGGCSI00 has failed with return code X’eeee’.

Explanation: Callable service IGGCSI00 is required by file control for examining catalog entries for data sets. The load of IGGCSI00 requested by file control initialization has failed.

System action: CICS initialization fails.

User response: IGGCSI00 is supplied on SYS1.CSSLIB. Ensure that SYS1.CSSLIB is in the concatenation for the MVS linklist or LPA. If the failure persists, this is likely to be an internal CICS error. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCCA

DFHFC0150  date time applid termid tranid X’uowid’, X’rrrr’, X’cccc’

Explanation: Unit of work uowid for transaction tranid has gone indoubt because it has lost contact with its coordinating system. Consequently CICS has attempted to convert all RLS locks owned by this unit of work into retained locks. This attempt has failed because VSAM has detected an error.

System action: CICS continues with the completion of the unit of work.

The unit of work is shunted. The shunt reason indicates that a further release locks attempt is required.

Some records may remain locked until a successful lock release command can be processed by VSAM.

If the failure is caused by the SMSVSAM server being unavailable, CICS automatically retries the completion of the UOW when the server becomes available.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS Macro Instructions for Data Sets. The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. Other VSAM codes may indicate a more severe error.

Normally no other action should be necessary. When contact is reestablished, the coordinating system instructs this system to commit or backout. At the end of commit or backout, all retained and active locks are released.

A problem that you may encounter is that some locks may have been left as active locks. This may cause slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, you can use the CEMT SET UOW
command to force the unit of work to commit or 
backout, or to make a decision to commit or backout 
according to the ACTION attribute in the transaction 
definition. Alternatively, you can use the CEMT SET 
DSNAME command which will force all in-doubt units 
of work which had updated the specified data set. 
However, you should not normally use these 
commands because they can cause this CICS to become 
out of step with its coordinating system with 
consequent loss of data integrity.

If you cannot resolve the problem or the problem 
recurs, there may be a more severe error. In this case, 
you will need assistance from IBM. See Part 4 of the 
CICS Problem Determination Guide for guidance on how 
to proceed.

**Module:** DFHFCCA

**XMEOUT Parameters:** date, time,applid, termid, tranid, 
X'uowid', X'rrrr', X'cccc'

**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC0152**

*date time applid termid tranid* An attempt 
to retain locks for data set within unit 
of work X'uowid' failed. VSAM return 
code X'rrrr' reason code X'cccc'.

**Explanation:** Unit of work uowid for transaction tranid 
has failed backout for one of its data sets. CICS has 
attempted to convert all the RLS locks owned by this 
unit of work that are associated with the failing data 
set into retained locks. This attempt has failed because 
VSAM has detected an error.

The IDARETLK response is rrrr and the reason code is 
cccc.

termid identifies the terminal running this transaction.

This message is followed by message DFHFC0312 
which identifies the failing data set.

**System action:** CICS continues shunting this unit of 
work. Some locks may remain as active locks (which 
cause other transactions to wait until their timeout 
value is reached) rather than as retained locks (which 
cause other transactions to encounter LOCKED 
responses).

Message DFHME0116 should be produced containing 
the symptom string for this problem.

**User response:** Use the VSAM codes to determine the 
cause of the problem. For the meaning of the VSAM 
codes, see *DFSMS Macro Instructions for Data Sets.*

The most likely reason for the failure to convert locks 
into retained locks is that the SMVSAM server was 
not available. It is also possible to get a failure because 
the specified logical unit of work ID does not exist for 
the subsystem (that is, the unit of work does not hold 
any locks) during lost locks recovery, or after a CICS 
restart which specified OFFSITE=YES as a system 
initialization override. If you are performing RLS lost

locks recovery, message DFHFC0555 will have been 
issued when lost locks recovery started; if you are 
performing RLS offsite recovery, message DFHFC0574 
will have been issued during file control initialization. 
Other VSAM codes may indicate a more severe error.

Normally no other action is necessary. When the 
condition that caused the backout failure has been 
resolved, the backout of this unit of work is retried. If 
the attempt to retry the backout succeeds, all locks are 
released.

Message DFHFC4701 specifies the cause of the backout 
failure. The most common cause of backout failures is a 
hardware problem causing I/O errors. In this case the 
data set needs to be restored and forward recovered. If 
CICSVR (or a functionally equivalent product) is used 
to perform forward recovery, and the data set was 
being accessed in RLS mode, units of work that have 
failed backout for this data set are retried automatically. 
If the data set was quiesced, you need to unquiesce it 
to allow the backout to succeed. When the data set is 
quiesced, CICS automatically retries the backout.

Backouts may also be retried using 
CEMT SET DSNAME RETRY

or

EXEC CICS SET DSNAME(dsname) ACTION(RETRY)

The only problem that you may encounter is that some 
locks may have been left as active locks. This can cause 
a slow response (and eventual failures) from 
transactions that wait for these locks and have to wait 
for their full timeout interval.

In this case, consider releasing all locks held against 
this data set using the CEMT SET DSNAME 
RESETLOCKS command. This command should only 
be considered in extreme cases because it discards both 
the retained locks held by this CICS system against the 
named data set and all associated log records. The 
consequence is that the corresponding backout 
operations are never performed and data integrity is 
lost.

If you cannot resolve the problem or the problem 
recurs, there may be a more severe error. In this case, 
you will need assistance from IBM. See Part 4 of the 
CICS Problem Determination Guide for guidance on how 
to proceed.

**Module:** DFHFCCA

**XMEOUT Parameters:** date, time,applid, termid, tranid, 
X'uowid', X'rrrr', X'cccc'

**Destination:** Console and Transient Data Queue CSFL
**DFHFC0153 • DFHFC0158**

**DFHFC0153 applid** The previous instance of the SMSVSAM server has failed. File control RLS access is being closed down.

**Explanation:** The SMSVSAM server is the separate VSAM address space that handles all VSAM requests made in RLS mode. The instance of this address space which CICS has been using has terminated, and CICS has just detected the failure. CICS must close down all accesses from file control to this instance of the SMSVSAM server in order to be able to register with the next server instance when the server restarts.

If message DFHFC0568 is issued before DFHFC0153, CICS did not detect the failure until the server restarted and notified CICS that a new instance was available. If message DFHFC0568 is not issued before DFHFC0153, CICS detected the failure when it tried to access the failed instance of the server.

**System action:** CICS disables all further RLS accesses, closes all files which were open in RLS mode, and attempts to unregister the RLS control ACB.

Transactions that attempt to access files previously opened in RLS mode will abend. The abend code depends upon what the transaction was doing at the time of the failure.

**User response:** The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCCA

**XMEOUT Parameters:** applid, X'rrrr',X'cccc'

**Destination:** Console

**DFHFC0157 applid tranid termid userid** An I/O error has occurred on base data set dsname accessed via file filename component code X'code'.

**Explanation:** An I/O error has been reported by VSAM after a request to update VSAM file filename.

The name of the base data set associated with the file is dsname although the error may have been encountered elsewhere. This is indicated by the value of the component code X'code'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01' - Base cluster.
- X'02' or X'03' - Alternate index.
- X'04' or X'05' - Upgrade set.

**System action:** The application request which encountered the error receives an 'IOERR' response. CICS also issues message DFHFC0158 to display the VSAM diagnostic information for this error.

**User response:** Follow standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

**Module:** DFHFCRS

**XMEOUT Parameters:** applid, tranid,termid, userid, dsname, filename, X'code'

**Destination:** Console

**DFHFC0158 applid vsam-error-data**

**Explanation:** This message displays additional VSAM diagnostic information that is available following I/O errors and cache failures. The message is provided for information only.

The format of the data contained in message DFHFC0158 is described in z/OS DFSMS Macro Instructions for Data Sets in the section describing the physical error message format. This is a common data format used by other IBM products following I/O errors.

This message is issued after messages DFHFC0157, DFHFC0162 and DFHFC0163 and provides additional information to go with those messages.

**System action:** Processing continues.

**User response:** See the description of the associated preceding message (DFHFC0157, DFHFC0162 or DFHFC0163.)

**Module:** DFHFCRS, DFHFCVS
DFHFC0159 • DFHFC0161

**XMEOUT Parameters:** applid, vsam-error-data  

**Destination:** Console

---

**DFHFC0159** applid A request issued to cold start the RLS subsystem has failed. VSAM return code X'rrrr’ reason code X'cccc’.

**Explanation:** A cold or initial start of CICS has been requested. CICS has made a call to the RLS component of VSAM which requested RLS to cold start its status with respect to this CICS. This request has failed because VSAM RLS detected an error while performing cold start processing.

**System action:** CICS continues to initialize. However, the restart of the RLS component of file control has failed and all RLS eligible files are unusable.

No dump is taken with this message. However, file control restart may subsequently produce message DFHFC0001 and take a dump if the error is of a type which should not occur during normal running.

**User response:** If the VSAM return code indicates that the SMSVSAM server has failed, restart the SMSVSAM server (if it has not already automatically restarted). You also need to restart CICS because CICS has been warm started with respect to RLS when the server returns.

If the SMSVSAM server has not failed, this is probably an error in CICS or VSAM. You should keep the dump associated with message DFHFC0001. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCCA

---

**DFHFC0160** applid An attempt to notify VSAM that CICS has completed lost locks processing for a data set has failed. VSAM return code X'rrrr’ reason code X'cccc’.

**Explanation:** Following a failure of the VSAM lock structure, VSAM has marked a data set as being in lost locks state with regard to this CICS. CICS has performed all recovery actions necessary to resolve its locks against this data set and has attempted to inform VSAM that it has completed its recovery. This attempt has failed.

The VSAM response is rrrr and the VSAM reason is cccc.

This message is followed by message DFHFC0312 which identifies the failing data set.

**System action:** If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS takes a system dump.

---

**DFHFC0161** applid Inquire recovery has failed.  
VSAM return code X'rrrr’ reason code X'cccc’.

**Explanation:** During restart CICS has issued an inquire recovery request to VSAM. This request has failed because VSAM has detected an error.

**System action:** CICS restart continues. All RLS files are unusable.

If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS later issues message DFHFC0001 which has an associated system dump.

**User response:** The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request. If the problem was caused by the SMSVSAM server having failed at the time that the request was issued, restart the SMSVSAM server (if it has not already automatically restarted). Otherwise, you can make CICS retry the attempt to notify VSAM of the completion of lost locks processing either by restarting CICS or by restarting the SMSVSAM server.

It is possible that your installation may have performed some action, such as deleting the data set, which would cause VSAM not to recognize the data set and therefore return an error. If this is the case for the data set named in message DFHFC0312, you need take no further action.

If the VSAM return and reason codes suggest an internal CICS or VSAM error, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCCA

---

**XMEOUT Parameters:** applid, X'rrrr',X'cccc'

**Destination:** Console

---

Chapter 4. DFH messages - DFH01 to DFHM 677
DFHFC0162 • DFHFC0164

DFHFC0162  applid A VSAM data cache has failed.
Explanation: A data cache structure being used by VSAM RLS has failed.
System action: The application request which encountered the error receives an 'IOERR' response.
CICS also issues message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set cause an IOERR response.

CICS issues messages DFHFC0162 and DFHFC0158 the first time that an I/O request fails because of a cache failure. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If several caches fail, DFHFC0162 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all failed caches.

User response: Allocate a new data cache and bring it on line to VSAM.
CICS is notified as soon as the new cache is available and is able to take appropriate recovery action.
Module: DFHFCRS
XMEOUT Parameter: applid
Destination: Console

DFHFC0164  date time applid trandid trannum termid userid A request has timed out waiting for an RLS lock. There are nn transactions or Transactional VSAM units of recovery holding this lock.

Explanation: This message and the following DFHFC0165 or DFHFC0175 messages are issued to assist in problem determination when transactions abend with the AFCV abend code, or when application programs receive the RECORDBUSY condition.

An attempt made by transaction trandid with task number trannum to update a file which is open in VSAM RLS mode has failed because the request timed out waiting to obtain a lock on a record.

VSAM RLS has detected that a request has waited for a lock for more than the timeout interval. However, RLS was unable to detect any deadlock. Possibly there is a deadlock between VSAM RLS requests and requests to another resource manager such as DB2 or DBCTL.

When the timeout occurred there were nn other transactions or Transactional VSAM units of recovery holding the required lock.

System action: If the application request which encountered the error specified NOSUSPEND, it receives the RECORDBUSY condition and continues. If the request did not specify NOSUSPEND, it receives an AFCV abend.

CICS displays message DFHFC0164 to identify the failing transaction and the number of owners of the lock. CICS also issues message DFHFC0165 or DFHFC0175 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 or DFHFC0175 in the unlikely event that VSAM RLS is unable to identify the lock owner.

User response: The following DFHFC0165 or DFHFC0175 messages identify the transactions that are holding the required lock and the CICS systems that they are running in or the unit of recovery holding the required lock and the Transactional VSAM instance this is running in, respectively. Examine these transactions
DFHFC0165 • DFHFC0166

or units of recovery to see why they are not releasing VSAM RLS locks. For example
• They may be holding VSAM RLS locks and waiting for terminal input.
• They may be trying to access resources from both VSAM RLS and another resource manager, creating an inter-resource manager deadlock.
Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, nn

DFHFC0165 date time applid tranid trannum termid userid tranid
user action X'woid' running in job jobname
with applid applid2 in MVS mvsid
at lock on key | add to end lock | internal lock | exclusive
lock on key | shared lock on key | keyid | keyid in
data set dsname causing [true | false]
contention.

Explanation: This message and the preceding message DFHFC0164 or DFHFC0174 are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0165 for each transaction currently owning the required lock.

The name of the transaction that has failed is tranid and it has task number trannum.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows
• tranid is the name of the transaction running in the system that owns the lock. If the job that holds the lock is not a CICS system, this is displayed as ???.
• tasknum is the task number of tranid. If the job that holds the lock is not a CICS system, this is displayed as ???.
• woid is the unit of work ID associated with the above transaction. The unit of work ID is also used by VSAM RLS as its logical unit of work ID (luwid).
• jobname is the job name of the CICS system that owns the lock.
• applid is the applid of the CICS system that owns the lock. If the job that owns the lock is not a CICS system, applid equals BATCHPGM.
• mvsid is the name of the MVS in which this CICS is running.
• dsname is the name of the data set against which the lock is held.
• keyid identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock
• A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
• A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

System action: This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

User response: This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the user actions associated with this message.

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, nn

DFHFC0166 date time applid tranid termid userid
user action VSAM RLS has detected a deadlock.
There are nn transactions or Transactional VSAM units of recovery
in the deadlock chain.

Explanation: This message and the following DFHFC0167 or DFHFC0177 messages are issued to assist in problem determination when transactions abend with AFCW abend codes.

An attempt made by transaction tranid to update a file which is open in VSAM RLS mode has failed because VSAM RLS detected that this request would have caused a deadlock with other transactions.

At the time that the timeout occurred there were nn
other transactions or Transactional VSAM units of recovery in the chain which caused deadlock.

**System action:** The application request which encountered the error receives an AFCW abend.

CICS issues message DFHFC0166 to identify the failing transaction and the number of transactions or units of recovery in the deadlock chain.

CICS also issues message DFHFC0167 or DFHFC0177 once for each transaction or unit of recovery involved in the deadlock chain. DFHFC0167 and DFHFC0177 identify the resource that the transaction or unit of recovery is holding and the resource that the transaction is waiting for.

**User response:** Examine the transactions or units of recovery in the deadlock chain to determine why deadlock arose. If necessary, correct the programming logic to avoid deadlock-creating situations.

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, termid, userid, nn

**Destination:** CSFL

DFHFC0167  
\[\text{date time applid tranid termid userid}\]
\[\text{Transaction }\text{transid(tasknum)}\,\text{with unit of work id }\text{X'uowid'}\,\text{running in jobname/applid2 in MVS mvsid holds }\text{(add to end lock | internal lock | exclusive lock on key | shared lock on key }\text{X'key1'}\,\text{on data set dsname1 and is waiting for }\text{(add to end lock | internal lock | exclusive lock on key | shared lock on key }\text{X'key2'}\,\text{on data set dsname2.}\]

**Explanation:** This message and the preceding DFHFC0166 message are issued to assist in problem determination when transactions abend with AFCW abend codes.

The preceding message DFHFC0166 reports that a deadlock has been detected and includes how many transactions exist in the deadlock chain.

Message DFHFC0167 is issued once for each transaction in the deadlock chain and includes the resource that transaction holds and which resource it is waiting for.

The message inserts are as follows

- `transid(tasknum)` is the transaction name and the associated task number of a transaction that owns a lock and is waiting for another lock. If this participant in the deadlock chain is not a CICS system, this will appear as `????(?????)`.
- `uowid` is the unit of work ID associated with task `transid(tasknum)`. The unit of work is also used by VSAM as the logical unit of work ID (luwid).
- `jobname/applid2` is the job name and applid of the CICS system in which this transaction is running.
- `mvsid` is the name of the MVS in which this CICS job is running.
- `dsname1` is the name of the data set against which this transaction holds a lock.
- `key1` identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that an add to end lock or an internal lock is held then no key information is displayed.
- `dsname2` is the name of the data set against which this transaction is attempting to acquire a lock.
- `key2` identifies the key which this transaction is attempting to lock. If the message indicates that the transaction is attempting to obtain an add to end lock or an internal lock then no key information is displayed.

**System action:** The application request which encountered the error receives an AFCW abend.

**User response:** See the description of message DFHFC0166.

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, termid, userid, transid(tasknum), X'uowid', jobname/applid2, mvsid, \{1=add to end lock , 2=internal lock , 3=exclusive lock on key , 4=shared lock on key \}X'key1', dsname1, \{1=add to end lock , 2=internal lock , 3=exclusive lock on key , 4=shared lock on key \}X'key2', dsname2

**Destination:** CSFL

DFHFC0168  
\[\text{date time applid tranid trnum termid userid}\]
\[\text{An exclusive | A shared} \text{lock on key }\text{X'keyid'}\,\text{in data set dsname is causing }\text{(true | false) contention but the owner of this lock is unknown.}\]

**Explanation:** This message and the preceding DFHFC0164 message are issued to assist in problem determination when transactions abend with AFCV abend codes.
DFHFC0169 • DFHFC0170

Message DFHFC0169 is issued whenever VSAM RLS is unable to determine the owner of a lock. This is an abnormal condition. It may indicate that a processor in the sysplex is stopped.

dname is the name of the data set against which the lock is held. keyid identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.

The message identifies whether the lock is held as an exclusive lock or a shared lock.

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed as a result of hashing algorithms used in creating RLS keys.

**System action:** Processing continues.

**User response:** None. The message is issued to assist in problem determination.

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, trannum, termid, userid, {1= An exclusive, 2= A shared}, X’keyid’, dname, {1=true, 2=false}

**Destination:** CSFL

DFHFC0169  date time applid termid userid. Transaction tranid with transaction number trannum encountered an RLS retained lock held on data set dname by unit of work X’uowid’ within CICS with applid applid2.

**Explanation:** An attempt was made to update a record which is currently held locked by a retained RLS lock and the identifier of the unit of work and attempt to find why this unit of work is holding a retained lock. There are three reasons why a unit of work can hold a retained lock.

1. The unit of work was running in a CICS system that has failed. If this CICS system is restarted, the lock is normally released.
2. The unit of work has gone indoubt. Indoubt failures occur as a result of a failure in communication between two CICS systems, neither of which need be the CICS system that is encountering the 'LOCKED' response.
   - From a terminal connected to the CICS system with applid applid2, issue the command
     CEMT I UOW(uowid)
   - or
     CEMT I UOWDSNFAIL
   - to identify the applid of the CICS system that is coordinating the distributed unit of work. Then attempt to reestablish contact between the coordinating CICS and the system that owns the lock.
3. The unit of work has failed backout. From a terminal connected to the CICS system with applid applid2, issue the command
   CEMT INQUIRE UOWDSNFAIL DATASET(dname)
   to determine the reason why unit of work uowid failed backout while processing data set dname. There are several reasons why a unit of work can fail backout, each identified by a different reason code from CEMT INQUIRE UOWDSNFAIL. See the CICS Problem Determination Guide for guidance on how to resolve each of these types of backout failure.

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, userid, termid, tranid, trannum, dname, X’uowid’, applid2

**Destination:** CSFL

DFHFC0170  applid An attempt to release locks which are held by RLS but unknown to CICS has failed.

**Explanation:** An attempt was made to release locks which are held on behalf of this CICS system by the VSAM RLS lock manager, but about which CICS has no knowledge. Such locks are known as “orphan” locks. The attempt to release the locks failed, either because the VSAM RLS server is not available or because there were no locks to release.

**System action:** CICS continues. The locks are automatically released after the VSAM RLS server becomes available again.
The presence of these “orphan” locks could prevent the running of non-RLS applications against the data sets which hold such locks. “Orphan” locks can also cause LOCKED responses to be returned to applications running on CICS systems which have access to an available VSAM RLS server and try to update the locked records, or try to read the records with one of the read integrity options.

Since CICS has no knowledge of “orphan” locks, it is not possible to get information about them using CICS API commands.

**User response:** If the failure is due to the server not being available, wait for the VSAM RLS server to restart. If it does not restart automatically, determine the reason and attempt to start it manually.

If the failure is due to there being no locks to release, this could either be a result of some user action resulting in locks being deleted such as deleting the data set, or it could indicate a severe VSAM error. If user action is not responsible, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

**Destination:** Console

DFHFC0171 applid Lost locks recovery might be delayed by inflight transactions.

**Explanation:** A coupling facility (CF) lock structure failure has occurred, and SMSVSAM has been unable to rebuild the lock structure dynamically. This has resulted in the loss of VSAM RLS locks. SMSVSAM has notified CICS of this event so that CICS can perform lost locks recovery processing. In the course of this processing, CICS has attempted to purge inflight transactions that hold one or more of the lost locks in order to expedite recovery from the lost locks condition. However, it has not been possible to purge all of the transactions.

RLS lost locks recovery cannot complete until all UOWs that have updated data sets in RLS mode are completed. It is unlikely that an inflight transaction can complete normally in a lost locks situation because it will abend at the next attempt to access RLS. CICS attempts to purge inflight transactions because allowing them to run to completion (when they will probably abort anyway) could take a long time. This is particularly the case for conversational transactions.

**System action:** CICS continues.

If the failure to purge a transaction is due to a severe error, message DFHFC0002 is issued and a dump is taken.

**User response:** It may not be necessary to take any action because the purging of transactions is only a precautionary measure.

This message indicates that there are inflight UOWs that have not yet completed only when there are data sets that return a LOSTLOCKS value of RECOVERLOCKS after you have resolved any failed units of work that had updated the data sets. (See the EXEC CICS INQUIRE DSNAM(...) command for information about the LOSTLOCKS parameter.)

If it is possible to identify the transactions in question, either ensure that they run to normal completion, or attempt to force purge them using the CEMT master terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

**Destination:** Console

DFHFC0172 applid File control is unable to return to processing on the QR TCB because a change mode request has failed. CICS will terminate.

**Explanation:** Normally most CICS functions are run on a TCB called the QR TCB. Exceptionally, file control issues OPEN and CLOSE requests on a TCB called the FO TCB. File control may also process VSAM read and write requests on a TCB called the CO TCB if SUBTSKS=1 has been specified in the SIT.

After completing its work on the RO or CO TCB, file control must return to processing on the QR TCB. In order to return to the QR TCB, file control has issued a CHANGE_MODE call to the CICS dispatcher. This request has failed.

**System action:** This is a severe error. CICS is unable to continue processing because it must be running on the QR TCB in order to do so. CICS is terminated with a dump.

The dispatcher domain has put out messages to describe the failure in the CHANGE_MODE request.

**User response:** See the messages issued by the dispatcher domain for further guidance.

**Module:** DFHFCR, DFHFCCA, DFFCRV, DFHFCFS

**XMEOUT Parameter:** applid

**Destination:** Console

DFHFC0173 date time applid VSAM has issued a {deadlock | timeout | locked} response but cannot supply problem determination data.

**Explanation:** After certain failures, VSAM normally provides problem determination information which
CICS uses diagnostic messages and create exception trace entries.

However, although VSAM set a return code indicating a failure occurred, it is unable to provide any problem determination information.

The failure detected by VSAM RLS is one of the following:
- A deadlock - CICS normally issues message DFHFC0166 and two or more DFHFC0167 or DFHFC0177 messages.
- A timeout - CICS normally issues message DFHFC0164 and one or more DFHFC0165 or DFHFC0175 messages.
- A record locked by a retained lock - CICS normally issues message DFHFC0169 or DFHFC0179.

System action: CICS continues processing the error in the normal way but cannot issue any of the normal problem determination messages or create the usual exception trace entries.

CICS does not take a dump. However, you can request a dump via the dump table in the usual way.

User response: This indicates an error in VSAM RLS. You may wish to take a dump of the SMSVSAM server. See the appropriate DFSMS/MVS manual for further guidance.

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, {1=deadlock, 2=timeout, 3=locked}

Destination: CSFL

DFHFC0174 date time applid tranid trannum termid userid A deadlock has occurred as a result of a lock promote failure. There are nnn transactions or Transactional VSAM units of recovery holding this lock.

Explanation: This message and the following DFHFC0165 or DFHFC0175 messages are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes or receive RECORDBUSY response as NOSUSPEND was specified.

An attempt made by transaction tranid with transaction number trannum to update a file which is open in VSAM RLS mode has failed because VSAM has detected a deadlock while attempting to promote a shared lock to become an exclusive lock.

VSAM RLS returns problem determination information to CICS to assist with debugging the deadlock. However, this type of deadlock looks like a timeout and thus the information returned to CICS looks like the information returned after a timeout. Hence this message is followed by one or more DFHFC0165 or DFHFC0175 messages instead of the DFHFC0167 messages which follow other types of deadlocks.

When the deadlock occurred there were nnn other transactions or Transactional VSAM units of recovery holding the required lock.

System action: The transaction receives an AFCW abend or RECORDBUSY response.

CICS displays message DFHFC0174 to identify the failing transaction and the number of owners of the lock. CICS also issues message DFHFC0165 or DFHFC0175 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 or DFHFC0175 in the unlikely event that VSAM RLS is unable to identify the lock owner.

User response: The following DFHFC0165 or DFHFC0175 messages identify the transactions that are holding the required lock and the CICS systems that they are running in, or the units of recovery which are holding the locks and the Transactional VSAM instances they are running in, respectively. Examine these transactions or units of recovery to determine why they are not releasing VSAM RLS locks. Examine other RLS resources they acquire to determine whether this could cause a deadlock with the failing transaction.

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, nnn

Destination: CSFL

DFHFC0175 date time applid tranid trannum termid userid Transactional VSAM unit of recovery X'urid' running in job jobname on Transactional VSAM instance TVSInstance in MVS mvsid holds (add to end lock | internal lock | exclusive lock on key | shared lock on key | exclusive lock on data set dsname) causing (true | false) contention.

Explanation: This message and the preceding message DFHFC0164 or DFHFC0174 messages are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0175 for each unit of recovery currently owning the required lock.
The name of the transaction that has failed is tranid and it has task number trannum.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows:
- urid is the unit of recovery id running in the Transactional VSAM instance which owns the lock.
- jobname is the job name of the CICS system that owns the lock.
- TVSInstance is the name of the Transactional VSAM instance whose job name was given by the previous insert.
- mvsid is the name of the MVS in which this Transactional VSAM instance is running.
- dsname is the name of the data set against which the lock is held.
- keyid identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock:
- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

**System action:** This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

**User response:** This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the user actions associated with this message.

**Module:** DFHFCRS

**XMEOUT Parameters:**
- date, time, applid, tranid, trannum, termid, userid, X’urid’, jobname, TVSInstance, mvsid, 
  {1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key}
- X’keyid’, dsname, 
  {1=true, 2=false}

**Destination:** CSFL
Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, userid, X’urid’, jobname/TVSInstance, mvsid, 1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key, X’key1’, dsname1, 1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key, X’key2’, dsname2

Destination: CSFL

DFHFC0179 date time applid termin userid. Transaction tranid with transaction number tranum encountered an RLS retained lock held on data set dsname by unit of recovery X’urid’ within Transactional VSAM instance TVSInstance.

Explanation: An attempt was made to update a record which is currently held locked by a retained RLS lock.

Message inserts are as follows

• TVSInstance is the number of the Transactional VSAM instance which owns the lock.
• urid is the identifier of the unit of recovery that owns the lock.
• dsname is the name of the data set against which the lock is held.

This message is issued to aid in problem diagnosis. It identifies the owner of the lock that is causing a request to fail with a ‘LOCKED’ response.

System action: The application request which encountered the error receives a ‘LOCKED’ response.

User response: If repeated LOCKED responses are causing a problem, note the name of the Transactional VSAM instance and the identifier of the unit of recovery and attempt to find out why the unit of recovery is holding a retained lock. The Transactional VSAM unit of recovery may have failed or suffered backout failure. If the Transactional VSAM application has failed the lock will normally be released if the application is rerun. If the Transactional VSAM application has suffered backout failure you will need to use Transactional VSAM procedures to perform backout failure retry in order to release the lock.

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, userid, tranid, dsname, X’urid’, TVSInstance

Destination: CSFL

DFHFC0200 date time applid (RLS | Non-RLS) file filename has been allocated to data set dataset. Module module.

Explanation: This message provides a record of the dynamic allocation of the file filename to the data set dataset.

System action: Processing continues.

User response: None.

Module: DFHFCN, DFHFCRO

XMEOUT Parameters: date, time, applid, {1=RLS, 2=Non-RLS}, filename, dataset, module

Destination: CSFL

DFHFC0201 date time applid (RLS | Non-RLS) file filename has been deallocated. Module module.

Explanation: This message provides a record of the dynamic deallocation of the file filename.

System action: Processing continues.

User response: None.

Module: DFHFCN, DFHFCRO

XMEOUT Parameters: date, time, applid, {1=RLS, 2=Non-RLS}, filename, module

Destination: CSFL

DFHFC0202 date time applid terminal userid tranid Resource definition for FILE filename has been added.

Explanation: This message provides the system with a record of the dynamic addition of resource definition filename.

System action: Processing continues.

User response: None.

Module: DFHFCMT.

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

Destination: CSFL

DFHFC0203 date time applid terminal userid tranid Resource definition for FILE filename has been deleted.

Explanation: This message provides a record of the dynamic deletion of resource definition filename.

This occurs when a file, which already exists in the system, is being installed using RDO. It should be followed by message DFHFC0202 indicating that the new file definition has been added.

System action: Processing continues.

User response: None.

Module: DFHFCMT.

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

Destination: CSFL
DFHFC0204 • DFHFC0209I

**DFHFC0204**  *date time applid terminal userid tranid*
Resource definition for FILE *filename* has been updated.

**Explanation:** This message provides a record of updates to a resource definition other than OPEN, CLOSE, ENABLE and DISABLE.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAFMT.

**XMEOUT Parameters:** *date, time, applid, terminal, userid, tranid, filename*

**Destination:** CSFL

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**DFHFC0205**  *date time applid terminal userid tranid*
SHRCTL block for LSR pool *lsrpool* has been updated.

**Explanation:** This message provides a record of the updates to a SHRCTL block.

A SHRCTL block exists for VSAM LSR pools 1–255 and is updated by an RDO install of an LSRPOOL object.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHFCRL.

**XMEOUT Parameters:** *date, time, applid, terminal, userid, tranid, lsrpool*

**Destination:** CSFL

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**DFHFC0206**  *date time applid terminal userid tranid*
Resource definition for FILE *filename* has been added.

**Explanation:** This message provides the system with a record of the dynamic addition of a remote file *filename*.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHAFMT.

**XMEOUT Parameters:** *date, time, applid, terminal, userid, tranid, filename*

**Destination:** CSFL

---

**DFHFC0207**  *date time applid terminal userid tranid*
Resource definition for FILE *filename* has been deleted.

**Explanation:** This message provides a record of the dynamic deletion of a remote file *filename*.

This occurs when a remote file, which already exists in the system, is being deleted using RDO.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHFCNO

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**DFHFC0208I**  *applid LSR pool n is being built dynamically by CICS because all of the necessary parameters have not been supplied. Either there is no LSRPOOL definition or it is incomplete. The following are not defined: 'CISIZE', 'STRINGS', 'MAXKEYLENGTH'. A delay is possible.*

**Explanation:** If one or more of the parameters, CI size, strings and maxkeylength are not defined for a LSR pool, either because there is no LSRPOOL definition or it is incomplete, then CICS will calculate the size by using information from the VSAM Catalog for data sets allocated to this LSR pool.

**System action:** CICS will issue SHOWCATS to obtain the information necessary to calculate the LSR pool size. If any data sets have been migrated the SHOWCAT could take longer than expected.

**User response:** If there are severe delays due to SHOWCAT processing, you will have to wait for migrated data sets to be recalled, and for the calculation of the LSR pool size to complete. If you wish to avoid similar problems in the future, consider defining the LSR pool explicitly. The missing parameters are contained in this message.

Normally, you will not experience delays, in which case no user action is required.

You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:** DFHFCL

**XMEOUT Parameters:** *applid, n, 'CISIZE', 'STRINGS', 'MAXKEYLENGTH'*

**Destination:** Console

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**DFHFC0209I**  *applid User exit XFCRLSCO is allowing non-RLS file *filename* to bypass the RLS coexistence checks.*

**Explanation:** User exit XFCRLSCO is active and ran because non-RLS file *filename* is being opened. The user exit replied with a return code of UERCBYP. This return code means that the non-RLS file has read-only access and an RLS file is already open against the same data set. The non-RLS file must stay in read only mode to continue to access the data set while the RLS file is open.

**Module:** DFHFCNO
DFHFC0210I • DFHFC0303

DFHFC0210I  applid User exit XFCRLSCO is allowing
RLS file filename to bypass the RLS coexistence checks.

Explanation: User exit XFCRLSCO is active and ran
because RLS file filename is being opened. The user exit
replied with a return code of UERCBYP. This return
code means that a non-RLS file has read-only access
to access the data set while the RLS file is open.
Alternatively, there may be a system problem that
warrants terminating CICS and using emergency restart
to guarantee data integrity. If this is the case, terminate
CICS and perform an emergency restart.

Module: DFHFCRO
XMEOUT Parameters: applid, filename
Destination: Console

DFHFC0300  applid (tranid termid) purge deferred due
to incomplete I/O operation on VSAM file filename.

Explanation: An attempt has been made to purge a
transaction using FORCE. Transaction tranid is currently
waiting for completion of an I/O operation on the
VSAM file filename. termid identifies the terminal
running this transaction. The data set name appears in
message DFHFC0305 which follows this message.

System action: The transaction waits until the I/O
operation is completed before the purge is allowed to
take effect. This is done to avoid a risk to data integrity.

User response: If the transaction does not terminate
within a few seconds, the I/O wait might be genuine
(for example, another CEC has reserved the DASD
volume). If this is the case, wait until the I/O situation
is relieved before trying again.

Alternatively, there may be a system problem that
warrants terminating CICS and using emergency restart
to guarantee data integrity. If this is the case, terminate
CICS and perform an emergency restart.

Module: DFHFCBD
XMEOUT Parameters: applid, tranid,termid, filename
Destination: Console

DFHFC0302  applid (tranid termid) CICS terminating.
Failure while waiting for I/O operation
on VSAM file filename.

Explanation: A DISASTER type error occurred when
the transaction tranid was waiting for the completion of
an I/O operation on the VSAM file whose file name
and data set name appear in message DFHFC0305
which follows this message. termid identifies the
terminal running this transaction.

System action: CICS is terminated with a system
dump (dump code FC0302).

User response: This problem was caused by an earlier
error. Look for earlier messages and return codes (for
example, from the dispatcher domain) and associated
trace entries and dumps.

If the problem cannot be traced to an application error,
you will require further assistance from IBM. See Part 4
of the CICS Problem Determination Guide for guidance
on how to proceed.

Module: DFHFCVR
XMEOUT Parameters: applid, tranid,termid, filename
Destination: Console

DFHFC0303  applid (tranid termid) CICS terminating.
Failure while waiting for I/O operation
on BDAM file filename.

Explanation: A DISASTER type error occurred when
transaction tranid was waiting for the completion of an
I/O operation on BDAM file filename.
termid identifies the terminal running this transaction.

System action: CICS is terminated with a system
dump (dump code FC0303).
DFHFC0304 • DFHFC0308

User response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCBD

XMEOUT Parameters: applid, tranid, termid, filename

Destination: Console

DFHFC0304 applid Dump taken in module_name due to a file control OPEN/CLOSE error.

Explanation: This message is issued after DFHFCFS has made an OPEN or CLOSE request which has completed with an error. The specific error is identified by another message. In most cases the other message appears before this message, but if the error occurs during the building of a shared resources pool, the other message appears after this message.

The failure is identified as one of the following
- An invalid request (not OPEN or CLOSE) has been sent
- There has been a subtask failure
- There has been a system failure other than "DSNAME NOT FOUND" or "VSAM CATALOG DOMAIN NOT FOUND".
- There has been a failure during shared resources pool building.

System action: A trace entry is made and a dump is taken with dumpcode FC0304.

User response: Locate the fault by examining the trace entry and the dump.

Module: DFHFCL, DFHFCM, DFHFCN

XMEOUT Parameters: applid, module_name

Destination: Console

DFHFC0305 applid Message msgno file 'filename', dsname 'dataset'.

Explanation: This message follows message DFHFC0300, DFHFC0302, DFHFC0307, DFHFC0308 or DFHFC0309. It identifies the VSAM data set name referred to in those messages.

If this message follows DFHFC0300 or DFHFC0302, it is issued from DFHFCSV.
If this message follows DFHFC0307 or DFHFC0308, it is issued from DFHFCVR.
If this message follows DFHFC0309, it is issued from DFHFCVS.

System action: Processing continues in the way specified in the preceding message from the list above, whichever is applicable.

User response: Find the earlier message to which this information refers and follow the user response for that message.

Module: DFHFCSV

XMEOUT Parameters: applid, msgno, filename, dataset

Destination: Console

DFHFC0307 applid I/O error on file 'filename', component code X'code'. File is temporarily disabled.

Explanation: An I/O error was reported by VSAM after a request to update VSAM file filename.

The file has been specified with LSR so VSAM has not released the buffers it assigned to process the request. Therefore, CICS must take special action to release them.

The name of the data set associated with the file is in message DFHFC0305 which follows, although the error may have been encountered elsewhere. This is indicated by the value of the component code X'code'. Its possible values and the corresponding error locations are as follows.
- X'00' or X'01'—base cluster.
- X'02' or X'03'—alternate index.
- X'04' or X'05'—upgrade set.

System action: Activity against the file is stopped, and the file is closed and then reopened in order to release the VSAM output buffers. Until the close has completed successfully, the file appears 'UNENABLED' to new would-be users and they receive a 'NOTOPEN' response to requests to use the file. The application request which encountered the error receives an 'IOERR' response.

User response: The installation should follow its standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

Module: DFHFCSV

XMEOUT Parameters: applid, filename, X'code'

Destination: Console

DFHFC0308 applid tranid termid Purge deferred due to incomplete I/O operation on VSAM RLS file filename

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS file filename. termid identifies the terminal running this transaction. The data set name is included in message DFHFC0305 which follows this message.
System action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User response: If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Module: DFHFCRV

XMEOUT Parameters: applid, tranid, termid, filename

Destination: Console

DFHFC0309  applid tranid termid Failure while waiting for I/O operation on VSAM RLS file filename

Explanation: A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS file filename.

System action: CICS returns to VSAM who completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCCA

XMEOUT Parameters: applid, tranid, termid

Destination: Console

DFHFC0310  applid tranid termid Purge deferred due to incomplete I/O operation on the RLS control ACB.

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS control ACB.

termid identifies the terminal running this transaction.

System action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity.

After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User response: If the transaction does not terminate within a few seconds, the VSAM wait might be genuine (for example, certain requests may take a fairly long time to complete). If this is the case, wait until the VSAM request has completed before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Module: DFHFCCA

XMEOUT Parameters: applid, tranid, termid

Destination: Console

DFHFC0311  applid tranid termid Failure waiting for I/O operation on the RLS control ACB.

Explanation: A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS control ACB.

System action: CICS returns to VSAM and VSAM completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCCA

XMEOUT Parameters: applid, tranid, termid

Destination: Console

DFHFC0312  applid Message msgno data set dsname

Explanation: This message follows message DFHFC0152 or DFHFC0160. It identifies the VSAM data set name referred to in those messages.

System action: Processing continues as specified in either DFHFC0152, or DFHFC0160.

User response: Find the earlier message to which this information refers and follow the user response for that message.

Module: DFHFCCA

XMEOUT Parameters: applid, msgno, dsname

Destination: Console
DFHFC0313I applid VSAM has returned an error with an RPL feedback - return code : X'rec'
component code : X'cc' error code : X'ec'
for file : filename and dsname : dataset
The data set may be out of synch with its Alternate Indices.

Explanation: VSAM has returned an error for VSAM file filename.
An ILLOGIC response is returned to the application.
This is indicated by the value of the component code X'cc'. Its possible values and the corresponding error locations are as follows
- X'00' or X'01'—base cluster.
- X'02' or X'03'—alternate index.
- X'04' or X'05'—upgrade set.

System action: An ILLOGIC response is returned to the application.
User response: You may need to delete, redefine and rebuild your alternate indices based on this file.

Module: DFHFCVS
XMEOUT Parameters: applid, X'rec', X'cc', X'ec', filename, dataset
Destination: Console

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DFHFC0314I applid VSAM has insufficient LSR buffers to fully backout the failed request.

Explanation: VSAM has returned an error for VSAM file mentioned in DFHFC0313 and an error code of X'98'.
An ILLOGIC response is returned to the application.
The error code indicates that VSAM has insufficient LSR buffers to backout the failed request fully.

System action: An ILLOGIC response is returned to the application.
User response: Increase the allocation of LSR buffers. You may also need to delete, redefine and re-build your alternate indices based on this file.

Module: DFHFCVS
XMEOUT Parameter: applid
Destination: Console

---

DFHFC0401 applid This CICS system is now authorized to provide shared access to data tables.

Explanation: CICS is about to open a data table. On a previous occasion message DFHFC0400 was issued because authorization checks failed preventing this CICS system from making provision for sharing its data tables with any other CICS system. The check has been retried successfully.

System action: CICS continues normally. Subject to specific authorization checks, other CICS systems are now able to share this system's data tables.
User response: None.

Module: DFHFCFS
XMEOUT Parameter: applid
Destination: Console

---

DFHFC0402 applid This CICS system is not authorized to provide shared access to data tables - reason code X'code'.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because a security check for update access to the resource name DFHAPPL.applid has failed. The value of the reason code, X'code', provides further information on the reason for the failure of the security check. It has the format X'ffrraaaa' where ff identifies the authorization check which failed, rr gives the register 15 return code from SAF, and aaaa is the SAPPRRET value.
The values of X'ff' are:
- X'01' Access was refused by an AUTH security check.
- X'02' Access was refused by a FASTAUTH security check.

System action: CICS continues normally but no other CICS systems are able to share any data tables it creates until authority is granted and a table is subsequently opened.
User response: Ensure that CICS has the necessary authorization to provide shared access to data tables. Refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'code', and to determine the changes to the security definitions or setup that are required to allow the CICS system to act as a shared data table server (assuming that this is desired).

Module: DFHFCFS
XMEOUT Parameter: applid
Destination: Console

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DFHFC0403 applid This CICS system cannot provide shared access to data tables because CICS is not defined as an MVS subsystem.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because CICS has not been defined as an MVS subsystem.
**System action:** CICS continues normally but no other CICS systems are able to share any data tables it creates.

**User response:** CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

See the CICS Shared Data Tables Guide for more guidance.

**Module:** DFHFCFS

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHFC0403** applid CICS cannot provide shared access to remote data tables because CICS is not defined as an MVS subsystem.

**Explanation:** CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has not been defined as an MVS subsystem.

If this message is issued on a CICS system at release 3.2.1, it means that the shared data tables module DFHDTINS is installed in the LPA or in the load library used by this CICS system, and has therefore been loaded by mistake.

**System action:** CICS continues normally and function ships this and subsequent remote file requests.

**User response:** CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

If the message was issued by a CICS/ESA 3.2.1 system, check where the DFHDTINS module is located. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

**Module:** DFHFCFS

**XMEOUT Parameter:** applid

**Destination:** Console

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**DFHFC0405** applid This CICS system cannot provide shared access to data tables because an earlier job step has used MVS cross-memory services.

**Explanation:** CICS is prevented from using shared data tables because of the use of MVS cross-memory services by an earlier job step. CICS has attempted to create an entry table during LOGON as a shared data table server, but this has resulted in an MVS 052 ABEND because a prior jobstep owned space-switching entry tables. (MVS does not allow subsequent job steps to establish a cross-memory environment.)

**System action:** CICS continues normally but other CICS systems are unable to gain shared access to any data tables that this CICS system creates.

**User response:** In order to use the shared access to data tables feature, review the sequence of job steps in the job which includes this CICS system.

See the CICS Shared Data Tables Guide and also the explanation of system abend code 052, reason code 0314 in MVS System Codes for more guidance.

**Module:** DFHFCFS

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHFC0406** applid This CICS system is not authorized for shared access to any data tables owned by the CICS system with applid applid2 - reason code X'code'.

**Explanation:** A file request for a remote file resource is about to be passed to a CICS system with the specified applid. The remote system has registered as a shared data table server, but this system cannot access any of its tables because a security check for read access to the resource name DFHAPPL.applid2 has failed, where applid2 is the applid of the data table owning CICS system. The value of the reason code, X'code', provides further information on the reason for the failure of the bind security check. It has the format X'ffrraaaa' where ff identifies the authorization check which failed, rr gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.

The values of X'ff' are:

- **X'01'** Access was refused by an AUTH security check.
- **X'02'** Access was refused by a FASTAUTH security check.

**System action:** CICS continues normally and function ships this and subsequent requests directed to the specified remote system until authority is granted. Access is retried after about 10 minutes.

**User response:** If it was intended that this CICS system should be able to access data tables owned by the system applid2, refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'code', and to determine what changes to the security definitions or setup are required.

**Module:** DFHFCFS

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**DFHFC0407 • DFHFC0408 • DFHFC0409 • DFHFC0410**

**XMEOUT Parameters:** applid, applid2, X’code’

**Destination:** Console

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**DFHFC0407** applid This CICS system is now authorized for shared access to data tables owned by the CICS system with applid applid2.

**Explanation:** The security check which failed earlier and was reported in message DFHFC0406, has now succeeded. This system can now attempt to access shared data tables owned by the CICS system with applid applid2.

**System action:** CICS continues normally. Subject to specific resource authorization checks, shared data tables owned by the remote CICS system can now be accessed by this system.

**User response:** None.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, applid2

**Destination:** Console

---

**DFHFC0408** applid This CICS system is not authorized for shared access to remote file filename - reason code X’code’.

**Explanation:** A file request to the specified remote file resource has just been processed. The file owning region contains shared data tables. An attempt was made to connect to any data table associated with the file but the connecting region failed the security check for shared access to the file resource. However, function shipped access was not similarly prevented.

This message can be issued whether or not the remote file has an associated data table. This is because it is not possible to determine whether a table exists until cross-memory linkage has been established to the file owning region, and this is only done after a connection attempt has passed all security checks. Once cross-memory linkage has been set up, any further connection attempts can first check whether a table exists. The shared access security check is then only needed when a data table is known to be available.

The value of the reason code, X’code’, provides further information on the reason for the failure of the file security check. It has the format X’ffrraaaa’; where ff identifies the userid that was refused access, rr gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.

The values of X’ff’ are:

- X’01’ The requesting system’s own userid was refused read access to the remote file filename.
- X’02’ The default userid of the CICS system which owns the remote file filename was used in the security check for read access to the file, and access was refused.

**System action:** CICS continues normally and function ships this and subsequent requests directed to the specified remote file until authority to use shared access is granted. Access is retried after about 10 minutes.

**User response:** Check whether shared access from this system to the specified file is intended. If it is, use the additional information provided in the reason code to determine what changes to the security definitions or setup are required.

See the CICS Shared Data Tables Guide for an explanation of the rules determining which userid is used for a file security check.

**Module:** DFHEIFC

**XMEOUT Parameters:** applid, filename, X’code’

**Destination:** Console

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**DFHFC0409** applid This CICS system is now authorized for shared access to remote file filename.

**Explanation:** The security check which failed earlier, and was reported in message DFHFC0408, has now succeeded. This system can now use shared access to the specified table.

**System action:** CICS continues normally.

**User response:** None.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename

**Destination:** Console

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**DFHFC0410** applid Data table cannot be opened. Data table initialization has failed for reason X’code’.

**Explanation:** CICS is about to open a data table but has been unable to initialize shared data table services. The value of the reason code, X’code’, provides further information about why CICS was unable to initialize shared data table services.

The format of the reason code is either X’ffrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr
An unexpected failure occurred. This code is reported when the data tables SVC detects an unexpected error.

An error was returned by the MVS RESMGR macro, called to establish an MVS resource manager for end-of-task processing. The first byte of the additional information, X'aa0000', contains the low order byte of the register 15 return code from the MVS RESMGR macro.

An error was returned by the CICS SVC. The first byte of the additional information, X'aa0000', is the register 15 return code from the attempt to call the CICS SVC.

An error was returned by the MVS DSPSERV macro. The additional information in the reason code consists of 1 byte containing the register 15 return code followed by 2 bytes containing the middle bytes from the register 0 reason code returned by DSPSERV.

An error was returned by the MVS ALESERV macro, called to create an access list entry either for the data space or for references to the primary address space. The additional information in the reason code consists of one byte containing the register 15 return code followed by two bytes containing the ALESERV function code (service type) and qualifier (options) which identify the failing request.

An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' ≥ X'80000000', the values of X'aa' are formed from combinations of:

X'08' An abend was detected.
X'04' A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
X'02' An abend was detected but could not be analyzed fully because no SDWA was available.
X'01' An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (X'ff' = X'01') and for abends (if dumps are requested for that abend code).

User response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.
X'04' Refer to the documentation of the MVS RESMGR macro to interpret the low-order byte of the register 15 return code reported in the reason code.
X'06' The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, investigate why it could not be loaded. There might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTSVC has been relink-edited and not marked reentrant.
X'08' Refer to the documentation of the MVS DSPSERV macro to interpret the register 0 and register 15 return codes reported in the additional information part of the reason code.
X'09' The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.
X'0E' This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.
≥ X'80' When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Module: DFHFCFS

XMEOUT Parameters: applid, X'code'

Destination: Console

DFHFC0411 applid Data table cannot be opened. Data table initialization has failed owing to a storage failure - reason code X'code'.

Explanation: CICS is about to open a data table but has been unable to initialize shared data table services because of a failure to obtain storage. The value of the
DFHFC0412

reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'ttnnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For fixed-length storage blocks, the reason code does not usually report the size.

The values of X'tt' are:

X'01'  Private storage from MVS subpool 230 (key 0) for a work area used by the data tables SVC
X'02'  Private storage from MVS subpool 0 for the local header block used by a shared data table server
X'03'  Private storage from MVS subpool 0 for a pool for data table blocks
X'04'  Private storage from MVS subpool 0 for a pool for file blocks
X'08'  MVS data space storage
X'09'  Private storage from MVS subpool 230 (key 0) for a region anchor
X'11'  Private storage from MVS subpool 0 for a dummy recovery block
X'12'  Storage from MVS subpool 252 required to load the DFHDTAM load module
X'13'  Private storage from MVS subpool 230 (CICS key) for a parameter list used by the data tables SVC
X'14'  Private storage from MVS subpool 230 (key 0) for a new ALET list section

System action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User response: The response depends on the type of storage indicated by the reason code. If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage, check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Module: DFHFCPS

XMEOUT Parameters: applid, X'code'

Destination: Console

DFHFC0412  applid Data table cannot be opened. Data table initialization has failed owing to a module loading failure - reason code X'code'.

Explanation: CICS is about to open a data table but a module loading failure has prevented the initialization of shared data table services. The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaa' in which m identifies the module and f is a code for the type of failure. For some failures, rr contains the register 15 return code from the failing macro call, and aaaa might contain additional information.

The value of X'm' can be:

X'1'  DFHDTFOR
X'2'  DFHDTAM
X'6'  DFHMVRMS

The values of X'f' are:

X'1'  module not found by a LOAD, BLDL or CSVQUERY macro call.
X'2'  an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' is the register 15 return code.
X'3'  an error was returned by the MVS CSVQUERY macro. X'rr' is the register 15 return code.
X'4'  an error was returned by the MVS BLDL macro. The two bytes X'aaaa' of additional information in the reason code contain the R0 reason code returned by BLDL.
X'5'  the module is not reentrant.
X'6'  the module had the wrong AMODE.
X'7'  the module had the wrong RMODE.

There is an additional code of X'08000000' which is only seen on a CICS/ESA 3.2.1 system that has DFHDTINS installed in the LPA or in its load library, and has mistakenly loaded this module.

System action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code

X'1'  Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
X'2'  
Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'3'  
Refer to the documentation of the MVS CSVQUERY macro to interpret the return code given in the second byte of X'code'.

X'4'  
This indicates an I/O error or a storage allocation failure. Refer to the documentation of the MVS BLDL macro to interpret the values in the reason code X'code'.

X'5', X'6', X'7'  
Use the first digit of the reason code to determine the name of the module, then check the status of that module. These errors imply that it is either the module which was supplied with CICS or that it has become corrupted.

If the reason code was X'08000000', the shared data tables module DFHDTINS has been incorrectly installed in a library which is used by this CICS/ESA 3.2.1 system. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Module:  DFHFCFS
XMEOUT Parameters:  applid, X'code'

Destination:  Console

DFHFC0415  applid Remote data tables cannot be accessed. Shared data table initialization has failed for reason X'code'.

Explanation:  CICS is about to access a remote file resource which may have an associated shared data table. However, shared data tables cannot be used to access any remote tables because CICS has been unable to initialize data table services. Note that if CICS finds module DFHDTINS in the STEPLIB concatenation or in the LPA it will assume that shared data tables is required and will thus try to initialize it. The value of the reason code, X'code', provides further information about why this CICS region was unable to perform the initialization required to act as a requester of shared data table services.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'aaaaaaaarrr' in which a is a value greater than or equal to X'80' that categorizes the type of abend, rrr contains any register 15 abend reason code, and aaaa contains the system or user completion code as three hexadecimal digits.

When X'code' <X'80000000', the values of X'ff' are:

X'01'  An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06'  An error was returned by the CICS SVC. The first byte of the additional information, a0000, is the register 15 return code from the attempt to call the CICS SVC.

X'0E'  An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' ≥X'80000000', the values of X'a' are formed from combinations of

X'8'  An abend was detected.

X'4'  A user abend was detected, in which case aaaaaa contains the hexadecimal equivalent of the user completion code (otherwise, aaaa contains the hexadecimal system completion code).

X'2'  An abend was detected but could not be analyzed fully because no SDWA was available.

X'1'  An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System action:  CICS continues normally and functions this and subsequent remote file requests. Initialization is retried after about 10 minutes. A system dump is taken for unexpected errors (X'ff' =X'01') and for abends (if dumps are requested for that abend code).

User response:  The response depends on the reason for the failure as indicated in the first byte of the reason code

X'01'  Use the system dump to help you determine the cause of the problem.

X'06'  The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTIIVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTIIVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, then investigate why it could not be loaded;
possibly there might be a hardware fault on
the disk. Another less likely value for the
return code is X'06', which implies that
DFHDTSVC has been relink-edited and not
marked reentrant.

X'0E'  This might indicate that the limit on the
number of ENQs per address space has been
reached, or that another TCB running in this
CICS address space has already initialized as a
requester of shared data table services.

X'80'  When the reason code indicates that an abend
has been detected, use the additional
information provided in the reason code to
find out what the abend was, and refer to
information on that abend code to determine
the cause.

Module:  DFHFCFS

DFHFC0416  applid  X'm'  Remote data tables cannot be
accessed. Shared data table initialization
has failed owing to a storage failure -
reason code  X'code'.

Explanation:  CICS is about to access a remote file
resource. However, a failure to get storage has
prevented CICS from initializing shared data table
services. The value of the reason code,  X'code', provides
further information about the type of storage which
could not be obtained.

The format of the reason code is  X'ttttmmm'  in which:

- tt identifies the type of storage and, for some of the
codes, mmmnn gives the hexadecimal size in bytes of
the storage which could not be obtained. For storage
blocks whose length is fixed, the reason code does not
usually report the size.

The values of  X'tt'  are:

X'01'  Private storage from MVS subpool 253 (below
the 16 MB line) for a work area required by
module DFHQSSS.

X'02'  Private storage from MVS subpool 0 for the
shared data table header block required for
this CICS to act as a data tables requester.

X'09'  Private storage from MVS subpool 230 (key 0)
for a region anchor.

X'0A'  ECSA storage from subpool 241 (key 0) for a
qualified subsystem block.

X'0B'  ECSA storage from MVS subpool 241 (key 0)
for a system anchor.

X'0E'  Private storage from MVS subpool 230 (key 0)
for a connect header block.

System action:  CICS continues normally and function
ships this and subsequent remote file requests.
Initialization is retried after about 10 minutes.

User response:  The response depends on the type of
storage indicated by the reason code.

If it indicates private storage, you should reconsider the
various region size parameters which have been
specified on the CICS job or have been set as defaults
for the system by IEALIMIT or the IEFUSI installation
exit. It might be necessary to take an SDUMP of the
CICS job and process it using the VERBEXIT
VSMDATA in order to investigate the way in which
MVS storage has been allocated to the various
subpools.

If it indicates ECSA (extended common service area)
storage, you should review the CSA size specified in
system parameter list IEASYSxx, or by use of the CSA
override on initialization of the MVS system. You
should also review the size of the ESQA, since the
system might have started to use ECSA storage if the
ESQA storage is depleted.

Module:  DFHFCFS

DFHFC0417  applid  X'm'  Remote data tables cannot be
accessed. Shared data table initialization
has failed owing to a module loading
failure - reason code  X'code'.'

Explanation:  CICS is about to access a remote file
resource. However, shared data tables cannot be used
to access any remote tables because a module loading
failure prevents CICS from initializing data table
services.

The value of the reason code,  X'code', provides further
information about which module was being loaded,
and what went wrong with the attempt to load it.

The format of the reason code is  X'mfrraaaa'  in which:

- m identifies the module and  f  is a code for the type of
failure. For some failures, rrr contains the register 15
return code from the failing macro call, and aaaaaa
might contain additional information.

The value of  X'm'  can be:

X'3'  DFHDTAOR

X'4'  DFHDTVC

The values of  f  are:

X'1'  module not found by LOAD

X'2'  an error was returned by the MVS LOAD
macro. The two bytes  X'aaaaa'  of additional
information in the reason code contain the
completion code from the LOAD.  X'rrr'
contains the register 15 return code.
X'5'  the module is not reentrant.
X'6'  the module had the wrong AMODE.

System action:  CICS continues normally and functions this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User response:  The response depends on the reason for the failure as indicated in the second hex digit of the reason code
X'1'  Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
X'2'  Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes reported in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.
X'5', X'6'  Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted.

Module:  DFHFCFS

XMEOUT Parameters:  applid, X'code'

Destination:  Console

DFHFC0420  applid  Shared access to data tables cannot be provided by this CICS system because it has not been registered as a shared data table server - reason code X'code'.

Explanation:  CICS is about to open a data table but has been unable to do so because this CICS system has not been registered as a shared data table server. The value of the reason code, X'code', provides further information about why this CICS system was unable to register (LOGON) as a shared data table server.

The format of the reason code is either: X'01aaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'aaaaxxxxx' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, rrrr contains any register 15 ABEND reason code, and xaaa contains the system or user completion code as three hexadecimal digits.

When X'code' <X'80000000', the values of X'ff' are:
X'01'  This code is reported when the data tables SVC detects an unexpected error.
X'02'  Another region within the MVS image with the same APPLID as this region is already registered (logged on) as a shared data tables server.
X'03'  DFHDTRM has supplied the data tables SVC with an invalid address for the PC vector, or the PC vector specifies an invalid number of entry table entries (ETEs). In the latter case, X'aaaaaa' contains the number of ETEs that were requested.
X'04'  A failure occurred when attempting to establish an MVS resource manager for end-of-memory processing. The first byte of the additional information, X'xxxxx000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.
X'05'  A failure occurred when attempting to make the server address space permanently non-swappable. The additional information, X'aaaaaa000', contains the low order 3 bytes of the code posted in an ECB that was specified when the SYSEVENT TRANSWAP macro was issued.
X'06'  An error was returned by the CICS SVC. The first byte of the additional information, X'xxxxxx000' is the register 15 return code from the attempt to call the CICS SVC.
X'0D'  An error occurred when issuing an MVS ENQ to ensure that, at any given time, only one server per MVS system can be active for a given APPLID. The first byte of the additional information, X'xxxxxx000' contains the return code from ENQ.
X'10'  An attempt to create the environment for shared data tables connect security checks has found that the security environment has already been set up.
X'11'  There is a disparity between the actual version of the CICS security block and the version which was used to assemble the shared data tables module DFHDXTS.

When X'code' ≥X'80000000', the values of X'a' are formed from combinations of:
X'8'  An ABEND was detected.
X'4'  A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
X'2'  An ABEND was detected but could not be analyzed fully because no SDWA was available.
X'1'  An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).
DFHFC0421

**System action:** CICS continues normally and attempts to open the table for local use only. A system dump is taken for unexpected errors (X'ff' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

**User response:** The response depends on the reason for the failure as indicated in the first byte of the reason code.

- **X'01'** Use the system dump to help you determine the cause of the problem.
- **X'02'** There cannot be more than one region with a given APPLID acting as a shared data table server within the same MVS image.
- **X'03'** This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.
- **X'04'** Refer to the documentation of the MVS RESMGR macro to interpret the return code reported in the additional information part of the reason code.
- **X'05'** Refer to the documentation of the MVS SYSEVENT macro to interpret the ECB contents reported in the additional information part of the reason code.
- **X'06'** Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.
- **X'0D'** Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.
- **X'10'** This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.
- **X'11'** This error might indicate that service has been applied which requires PTFs to both base CICS and the shared data tables code, and only one has been correctly updated, or that some corruption of the system has occurred, or that there is an error in CICS.
- **≥X'80'** When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, X'code'`

**Destination:** Console
**DFHFC0422**  applid  
**Shared access to data tables** cannot be provided by this CICS system because a module loading failure has prevented it from registering as a shared data table server - reason code 'X'code'.

**Explanation:**  CICS is about to open a data table but cannot do so because a module loading failure has prevented the register of this CICS system as a shared data table server.

The value of the reason code, 'X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is 'X'mfraaaa' in which 'm' identifies the module and 'f' is a code for the type of failure. For some failures, 'rr' contains the register 15 return code from the failing macro call, and 'aaaa' might contain additional information.

The value of 'X'm' can be:

- **'X'5'**  DFHDTXS

The values of 'X'f' are:

- **'X'1'**  module not found by LOAD
- **'X'2'**  an error was returned by the MVS LOAD macro. The two bytes 'X'aaaa' of additional information in the reason code contain the completion code from the LOAD. 'X'rr' contains the register 15 return code.
- **'X'5'**  the module is not reentrant.
- **'X'6'**  the module had the wrong AMODE.

**System action:**  CICS continues normally and attempts to open the table for local use only.

**User response:**  The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

- **'X'1'**  Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
- **'X'2'**  Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.
- **'X'5', 'X'6'**  Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted in some way.

**Module:**  DFHFCFS

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**DFHFC0430**  applid  
**Data table open request for file** filename **has failed for reason X'code'**.

**Explanation:**  CICS has attempted to create a data table for file resource filename but has been unable to do so.

**System action:**  CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the specified table.

**Module:**  DFHFCFS

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**DFHFC0431**  applid  
**Data table open request for file** filename **has failed owing to a storage failure - reason code X'code'**.

**Explanation:**  CICS has attempted to create a data table for file resource filename but has been unable to do so owing to a failure to get storage. There is insufficient storage above the 16MB line or within the appropriate data space and the value of the reason code, 'X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is 'X'ttnnnnnn' in which 'tt' identifies the type of storage and, for some of the codes, 'nnnnnn' gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of 'X't' are:

- **'X'03'**  private storage from MVS subpool 0 for a data table block
- **'X'04'**  private storage from MVS subpool 0 for a file block
- **'X'05'**  data space storage from data space DFHDT001 for a pool of backout cells (the pool is created if the file being opened is the first recoverable user-maintained table to be opened in this CICS run)
- **'X'06'**  data space storage from data space DFHDT001 for a pool of table entry descriptor blocks, or for a descriptor block to be used when loading the table
- **'X'07'**  data space storage from data space DFHDT002 for data table index storage
DFHFC0435

X'08' data space storage from data space DFHDT003 upwards for a pool of data table records

**System action:** CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

**User response:** The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage then check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

**Module:** DFHFCPS

**XMEOUT Parameters:** applid, filename, X'code'

**Destination:** Console

**Explanation:** An error has occurred while the requesting region was attempting to establish a connection to the remote file filename owned by the serving region. The value of the reason code, X'code', provides further information about why CICS was unable to connect to the remote file.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxrrrr' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, rrrr contains any register 15 ABEND reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' <X'80000000', the values of X'ff' are:

- **X'01'** An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.
- **X'06'** An error was returned by the CICS SVC. The first byte of the additional information, aa0000, is the register 15 return code from the attempt to call the CICS SVC.
- **X'07'** The connection index returned by the data tables SVC exceeds the maximum value supported by the calling module (2^30 - 1).

- **X'0A'** The scan of the chain of files owned by the serving region has failed because there is a permanently invalid entry on the chain which indicates that the chain has become damaged.
- **X'0B'** The number of connections by this requesting CICS region to the remote file is already at the allowed maximum (2^30 - 1).
- **X'0C'** The vector which records details of all connections to shared data tables by this requesting CICS region needs expanding, but this would cause it to equal or exceed a size of 16 MB.
- **X'0F'** An attempt to serialize with termination of the server has failed because the number of ENQs has reached the address space limit. The first byte of the additional information, X'ax0000', contains the return code from the ENQ.

When X'code' ≥X'80000000', the values of X'a' are formed from combinations of

- **X'8'** An ABEND was detected.
- **X'4'** A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
- **X'2'** An ABEND was detected but could not be fully analyzed because no SDWA was available.
- **X'1'** An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

**System action:** CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes. A system dump is taken for unexpected errors (X'ff' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

**User response:** The response depends on the reason for the failure as indicated in the first byte of the reason code

- **X'01'** Use the system dump to help you determine the cause of the problem.
- **X'06'** Requester initialization should have been completed before CONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.
- **X'07'** Some changes to your system configuration should be made, as this requesting region is

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Note: The document contains technical details about CICS (Customer Information Control System) error codes, system actions, and user responses for various types of errors that can occur during data table access requests. The explanations include detailed information about how to interpret and respond to these errors, often requiring system dumps or other diagnostic actions to be taken. The document is part of the CICS TS for z/OS 4.2: CICS Messages and Codes Vol 1.
trying to access too many shared data tables owned by other regions. It is necessary either to reduce the number of remote files being used, or to split the requesting CICS region into a number of smaller regions.

X'0A'
This indicates corruption of subpool 0 storage in the server region.

X'0B'
This indicates that either the requesting region contains more than \(2^{32} - 1\) remote file definitions, all of which refer to the same file in the server region, or that storage has been corrupted.

X'0C'
Same response as X'07'.

X'0F'
Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

≥X'80'
When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, X'code'

Destination: Console

DFHFC0436 applid Data table access request for remote file filename has failed because of a storage failure - reason code X'code'.

Explanation: CICS has attempted to access the remote file resource filename but cannot do so because of a failure to get storage.

The value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'ttmmmmn' in which tt identifies the type of storage and, for some of the codes, mmmnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

X'01'
Private storage from MVS subpool 230 (key 0) for a work area used by module DFHDTXS or for a work area used by data tables SVC CONNECT processing.

X'0F'
Private storage from MVS subpool 230 (key 0) for a connect vector

System action: CICS continues normally and functions this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes.

User response: The response depends on the type of storage indicated by the reason code.

As it indicates private storage, you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, X'code'

Destination: Console

DFHFC0440 applid Data table close request for file filename has failed for reason X'code'.

Explanation: CICS has attempted to close a data table for file resource filename but has been unable to do so.

System action: CICS continues normally. The table is treated as having been closed.

A system dump is taken for unexpected errors (X'ff' =X'01') and for abends (if dumps are requested for that abend code).

User response: The response depends on the reason for the failure as indicated in the first byte of the reason code

X'01'
Use the system dump to help you determine the cause of the problem.

X'06'
Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTISVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'09'
The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

≥X'80'
When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that abend code to determine the cause.
DFHFC0441  applid Data table close request for file
filename has failed owing to a storage
failure - reason code X\'code\'.

Explanation: CICS has attempted to close a data table
for file resource filename but has been unable to do so
owing to a failure to release storage.

The format of the reason code is X\'tttttttt\' in which tt
identifies the type of storage and, for some of the
codes, nnnnnn gives the hexadecimal size in bytes of
the storage which could not be obtained. For storage
blocks whose length is fixed, the reason code does not
usually report the size.

The values of X\'tt\' are:
X\'14\' private storage from MVS subpool 230 (key 0)
for a new ALET list section

System action: CICS continues normally. The table is
treated as having been closed.

User response: You should probably reconsider the
various region size parameters which have been
specified on the CICS job, or have been set as defaults
for the system by IEALIMIT or the IEFUSI installation
exit. It may be necessary to take an SDUMP of the
CICS job and process it using the VERBEXIT
VSMDATA in order to investigate the way in which
MVS storage has been allocated to the various
subpools.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, X\'code\'

DFHFC0445  applid Data table disconnect request for
remote file filename has failed for reason
code.

Explanation: CICS has attempted to disconnect from
the remote data table filename but has been unable to
do so.

An error has occurred while the requesting region was
attempting to break the connection to the remote file
filename owned by the serving region. The value of the
reason code, X\'code\', provides further information about
why CICS was unable to disconnect from the remote
file.

The format of the reason code is either: X\'ffaaaaaa\' in
which ff is a value less than X\'80\' that identifies the
type of failure, and aaaaaa is additional information
provided for some of the failures; or, when an
abnormal termination (ABEND) has occurred,
X\'aaxxxxxrrrr\' in which a is a value greater than or equal to
X\'8\' that categorizes the type of ABEND, rrrr contains
any register 15 ABEND reason code, and xxx contains
the system or user completion code as three
hexadecimal digits.

When X\'code\' < X\'80000000\', the values of X\'ff\' are:
X\'01\' An unexpected failure occurred. This code is
reported when the data tables SVC detects an
error which should never occur.
X\'06\' An error was returned by the CICS SVC. The
first byte of the additional information, aa0000,
is the register 15 return code from the attempt
to call the CICS SVC.

When X\'code\' \geq X\'80000000\', the values of X\'aa\' are formed
from combinations of
X\'8\' An ABEND was detected.
X\'4\' A user ABEND was detected, in which case
xxx contains the hexadecimal equivalent of the
user completion code (otherwise, xxx contains
the hexadecimal system completion code).
X\'2\' An ABEND was detected but could not be
analyzed fully because no SDWA was
available.
X\'1\' An asynchronous ABEND was detected
(otherwise, the abend was synchronous or
could not be classified because there was no
SDWA).

System action: CICS continues normally. The table is
treated as having been disconnected from the
requesting CICS system. A system dump is taken for
unexpected errors (X\'ff\' = X\'01\') and for ABENDs (if
dumps are requested for that ABEND code).

User response: The response depends on the reason
for the failure as indicated in the first byte of the
reason code
X\'01\' Use the system dump to help you determine
the cause of the problem.
X\'06\' Requester initialization should have been
completed before DISCONNECT is issued, so
CICS SVC errors associated with the loading
of the data tables SVC module DFHDT5VC
should not be encountered. Therefore this
error probably indicates a logic problem or
corruption of your system.

\geq X\'80\' When the reason code indicates that an
ABEND has been detected, use the additional
information provided in the reason code to
find out what the ABEND was, and refer to
information on that ABEND code to determine
the cause.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, code

Destination: Console
DFHFC0446  applid Data table disconnect request for remote file filename has failed because of a storage failure - reason code X'code'.

Explanation:  CICS has attempted to disconnect from the remote data table filename but has been unable to do so owing to a failure to release storage.

System action:  CICS continues normally. The table is treated as having been disconnected from the requesting CICS system.

User response:  This indicates an internal error or a corruption of the system. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHFCFS

XMEOUT Parameters:  applid, filename, X'code'

Destination:  Console

DFHFC0490  applid Unable to use data table for file filename.

Explanation:  The data set to which file filename relates has an associated data table but CICS is unable to make use of the table data owing to a lack of storage.

System action:  CICS continues normally. Performance of read-only accesses to the file is degraded because records cannot be retrieved from the table.

User response:  Ensure that there is sufficient storage in the CICS region outside the EDSA.

See the CICS Shared Data Tables Guide for further guidance.

Module:  DFHFCFS

XMEOUT Parameters:  applid, filename

Destination:  Console

DFHFC0500  applid RLS OPEN of file filename failed.  
VSAM has returned code 16 in R15. RLS access has been disabled.

Explanation:  While CICS was opening file filename, the CICS file control open/close routine received a return code of 16 in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

System action:  CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

CICS file control reenables RLS access when the RLS VSAM server restarts.

User response:  None.

Module:  DFHFCRO

XMEOUT Parameters:  applid, filename

Destination:  Console

DFHFC0501  applid RLS OPEN of file filename failed.  
Access type switch to RLS attempted while other files open for the same data set have non-RLS access type.

Explanation:  While CICS was opening file filename, the CICS file control RLS open/close routine detected that the access type for the file has been changed to RLS but there are still other files open for the data set with non-RLS access type. The file cannot be opened until all the other files have closed.

System action:  CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User response:  Close all the other files or change access of this file back to non-RLS. Files for the same data set should have the same access type.

Module:  DFHFCRO

XMEOUT Parameters:  applid, filename

Destination:  Console

DFHFC0502  applid Non-RLS OPEN of file filename failed.  
Access type switch to non-RLS attempted while other files open for the same data set have RLS access type.

Explanation:  While CICS was opening file filename, the CICS file control RLS open/close routine detected that the access type for the file has been changed to non-RLS but there are still other files open for the data set with RLS access type. The file cannot be opened until all the other files have closed.

System action:  CICS continues processing with file

Module:  DFHFCRO

XMEOUT Parameters:  applid, filename

Destination:  Console
**DFHFC0504 • DFHFC0510**

*filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

**User response:** Close all the other files or change access of this file back to RLS. Files for the same data set should have the same access type.

**Module:** DFHFCPS

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0504** applid RLS OPEN of file *filename* failed.
The VSAM SHOWCB macro has detected a RLS VSAM server failure.
RLS access has been disabled.

**Explanation:** While CICS was opening file *filename*, the CICS file control RLS open/close routine received a return code of X'1A in register 15. This means that the RLS VSAM server is not available so file control has disabled RLS access. The return code was returned by the SHOWCB macro when CICS was attempting to find the reason for the open failure that had just been detected.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the RLS VSAM server restarts.

**User response:** None.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0507** applid RLS OPEN of file *filename* failed.
Callable service IGWARLS is not present.

**Explanation:** Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. CICS expects to find IGWARLS in the LPA. IGWARLS resides in library SYS1.CSSLIB. If SYS1.CSSLIB is not in the LPA concatenation, RLS files with update SERVREQs cannot be opened.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response:** If you intend to use RLS access for files with UPDATE SERVREQs, ensure that SYS1.CSSLIB is included in the LPA concatenation.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0508** applid RLS OPEN of file *filename* failed.
VSAM has returned code X'AA' in register 15. RLS access has been disabled.

**Explanation:** While CICS was opening file *filename*, the CICS file control open/close routine received a return code of X'AA' in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response:** None.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0505** applid RLS CLOSE of file *filename* failed.
The VSAM SHOWCB macro has detected a RLS VSAM server failure.
RLS access has been disabled.

**Explanation:** While CICS was closing file *filename*, the CICS file control RLS open/close routine received a return code which indicates that the RLS VSAM server is unavailable. Consequently file control has disabled and closed down RLS access. This does not affect the rest of the close processing. The return code is returned by the SHOWCB macro which is invoked during CICS close.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any subsequent close requests for other files which are issued while the server is unavailable also receive the error return code but do not issue this message. CICS reenables RLS access when the RLS VSAM server restarts.

**User response:** None.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0510** applid (RLS | Non-RLS) OPEN of file *filename* failed because the data set is unavailable. Module module.

**Explanation:** An attempt to open file *filename* failed because CICS has internally marked the data set as
unavailable. This is the result of an earlier EXEC CICS SET DSNAME UNAVAILABLE command, or CEMT equivalent. This prevents the opening of new RLS and non-RLS files against the data set.

**System action:** CICS continues processing with file filename closed and its state UNENABLED. Any transactions attempting to use the data set from this CICS region are sent a NOTOPEN condition.

**User response:** Ensure that an EXEC CICS SET DSNAME AVAILABLE command (or the CEMT equivalent) is issued before attempting to open the file.

**Module:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, {1=RLS, 2=Non-RLS}, filename, module

**Destination:** Console

---

**DFHFC0511** applid RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with non-RLS access mode. The data set name is dsname.

**Explanation:** While CICS was opening file filename, the CICS file control RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in non-RLS access mode. The file cannot be opened in RLS access mode until all the other non-RLS mode files have closed, even if these files are accessing the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

**System action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

**User response:** Close all the other files or change access of this file to non-RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename, dsname

**Destination:** Console

---

**DFHFC0512** applid Non-RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with RLS access mode. The data set name is dsname.

**Explanation:** While CICS was opening file filename, the CICS file control non-RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in RLS access mode. This file cannot be opened in non-RLS access mode until all the other RLS mode files have closed, even if this file is opening the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

**System action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

**User response:** Close all the other files or change access of this file to RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename, dsname

**Destination:** Console

---

**DFHFC0513** applid Non-RLS OPEN of file filename has failed. CICS has unresolved RLS recovery work for the data set (or its associated base). The data set name is dsname.

**Explanation:** While CICS was opening file filename, the CICS file control non-RLS open/close routine detected that this region has unresolved recovery work for the data set dsname, or its associated base data set, which requires the base data set and any associated path data sets to be accessed in RLS mode. This file cannot be opened until all the RLS recovery work has been resolved. This constraint ensures that any automatic resolution of the recovery work is not impeded by non-RLS accesses to the data set.

**System action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

**User response:** Use the INQUIRE UOWDSNFAIL command to investigate the RLS recovery work, and take action to resolve it. This may involve retrying backout-failed units of work and resynchronising indoubt-failed units of work. See the CICS Recovery and Restart Guide for more information on unit of work failures and their resolution.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename, dsname

**Destination:** Console

---

**DFHFC0517** applid {RLS | Non-RLS} OPEN of file filename failed. An error was detected when reading the VSAM catalog.

**Explanation:** As part of processing a request to OPEN a file, CICS requires to obtain information from the
VSAM catalog. The attempt to obtain catalog information has failed.

**System action:** The file open request fails. CICS has previously issued message DFHFC0519 giving information about the earlier catalog inquiry failure.

Any transaction attempting to use file `filename` is sent a NOTOPEN condition.

**User response:** See the response to message DFHFC0519.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid`, `{1=RLS, 2=Non-RLS}`, `filename`

**Destination:** Console

---

DFHFC0518  applid File Control is using an extended addressing ESDS data set.

**Explanation:** File Control has opened at least one file which refers to an extended addressing ESDS.

**System action:** None. The message is informational.

**User response:** Forward recovery log records and file journal records written for files which refer to addressing ESDS data sets have a new format.

If the data set is forward recoverable, ensure that you are using a forward recovery utility that is capable of handling the new format forward recovery log records. If you use file journaling, ensure that all journal reading utilities are capable of reading the new format journal records.

To determine which files reference extended addressing ESDS data sets, use the operator command `CEMT INQ FILE(*) RBATYPE(EXTENDED)`.

**Module:** DFHFCFS

**XMEOUT Parameter:** `applid`

**Destination:** Console Routecodes 2 and 12

---

DFHFC0519  applid Call to VSAM Catalog utility IGGS100 for dataset `dsname` failed.  
            Return code X’rrrr’  Reason code X’cccc’.

**Explanation:** As part of processing a request to OPEN a file, CICS called program IGGS100 in order to obtain information about data set `dsname` from the VSAM catalog. The call to IGGS100 failed. The return code from IGGS100 was `rrrr` and the reason code was `cccc`.

**System action:** The file open request fails. CICS will subsequently issue message DFHFC0517 indicating the name of the file that failed to open. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** Check that the resource definition for the file specifies the correct DSNAME. If DSNAME is correctly specified, see the explanation of the IGGS100 return and reason codes in DFSMS Managing Catalogs.

**Module:** DFHFCVC

**XMEOUT Parameters:** `applid`, `dsname`, `X’rrrr’`, `X’cccc’`

**Destination:** Console

---

DFHFC0520  applid (RLS | Non-RLS) OPEN of file `filename` failed.  
            IGWARLS call returned codes `X’rrrr’`, `X’cccc’` and problem determination `X’ddddddeee’` to module `module`.

**Explanation:** While CICS was opening file `filename` and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module `module` detected an error. The return code and reason code from IGWARLS are respectively `rrrr` and `cccc`. `ddddddeee` is any available problem determination information.

**System action:** CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Use the IGWARLS reason code to determine the cause of the problem. For the meaning of the IGWARLS reason code, see z/OS DFSMSdfp Utilities.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** `applid`, `{1=RLS, 2=Non-RLS}`, `filename`, `X’rrrr’`, `X’cccc’`, `X’ddddddeee’`, `module`

**Destination:** Console

---

DFHFC0521  applid RLS OPEN of file `filename` failed.  
            Undefined LOG parameter is invalid for an RLS file with update type SERVREQs.

**Explanation:** While CICS was opening file `filename` and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the LOG parameter for the sphere is undefined. LOG must be specified for a file that has RLS access type and update type SERVREQs.

**System action:** CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
User response: Use IDCAMS ALTER to set the LOG parameter for the sphere.
Module: DFHFCRO
XMEOUT Parameters: applid, filename
Destination: Console

DFHFC0522  applid RLS | Non-RLS| OPEN of file filename failed. IGWARLS call has returned that the LOG parameter is set to ALL but LOGSTREAMID has not been specified. Module module.

Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module module detected that the LOG(ALL) has been specified without LOGSTREAMID.
System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
User response: If forward recovery is required, use IDCAMS ALTER to add a LOGSTREAMID for the sphere. Otherwise, remove the forward recovery setting.
Module: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module
Destination: Console

DFHFC0523  applid RLS OPEN of file filename failed. The LOGSTREAMID for forward recovery is the same as the system log. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the LOGSTREAMID for forward recovery is the same as that for the system log. The forward recovery LOGSTREAMID must be different from the system log.
System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
User response: Use IDCAMS ALTER to change the LOGSTREAMID for forward recovery for the sphere. Ensure that it is different from the system log.
Module: DFHFCRO
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0524  applid An attempt to write a log record failed because the record length was greater than the maximum supported by that log. Module module.

Explanation: An attempt to write a log record, as part of a file update operation, has failed because the length of the data in the record was greater than the maximum supported by the associated log stream.
System action: A trace entry is made and a dump is taken with a dumpcode of FC0524.
User response: Redefine the log stream using a structure which has a MAXBUFSIZE larger than that of the file update record size.
Module: DFHFCLJ
XMEOUT Parameters: applid, module
Destination: Console

DFHFC0525  applid RLS | Non-RLS| OPEN of file filename failed because the forward recovery log stream could not be opened. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the forward recovery log stream for the sphere could not be opened. An internal call to the CICS logger has returned an error.
System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module
Destination: Console

DFHFC0526  applid An error occurred on the request to the CICS log manager to close the forward recovery log stream for file filename. Module module.

Explanation: While CICS was processing file filename, the CICS file control open/close routine in module module detected that a request to close the forward recovery log stream for the associated sphere returned an error.
System action: Processing continues.
User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
DFHFC0527  DFHFC0531

Module:  DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, filename, module
Destination:  Console

DFHFC0527  applid Recovery attributes for file filename have been overridden by new settings found on the catalog.

Explanation: While CICS was opening file filename, the CICS file control open/close routine detected that the recovery settings for the sphere have changed.

System action:  Processing continues. The new recovery settings are assumed for the sphere.

User response:  None.

Module:  DFHFCRO
XMEOUT Parameters:applid, filename
Destination:  Console

DFHFC0528  applid RLS OPEN of file filename failed. The automatic journal is the same stream as the system log.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the automatic journal for the file is the same stream as that for the system log. This is not allowed so an internal call to the CICS logger has returned an error.

System action:  CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response:  Ensure that the stream given in the FCTE for automatic journaling is different from the system log.

Module:  DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, (1=RLS, 2=Non-RLS), filename, module
Destination:  Console

DFHFC0531  date time applid Automatic journal journalname opened for file filename is not of type MVS. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the stream specified for the automatic journal, journalname, was not of type MVS. For example, it might be a dummy log, or you might be journaling to an SMF data set. This message informs you of this in case the journal type is not what you intended. journal is the number specified for JOURNAL on the file definition.

System action:  CICS continues processing.

User response:  Ensure that the stream type for the automatic journal is correct.

Module:  DFHFCN, DFHFCRO
XMEOUT Parameters: date, time, applid, journal, journalname, filename, module
Destination:  CSFL
DFHFC0532 applid {RLS | Non-RLS} OPEN of file filename failed because the automatic journal could not be opened. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the automatic journal for the file could not be opened. An internal call to the CICS logger has returned an error.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0533 applid An error occurred on the request to the CICS log manager to close the automatic journal for file filename. Module module.

Explanation: While CICS was processing file filename, the CICS file control open/close routine in module module detected that a request to close the automatic journal returned an error.

System action: CICS continues processing.

User response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0534 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the FCTE. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere have been changed to undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System action: Processing continues. The new recovery settings are assumed for the file.

User response: Ensure that this change to the recovery attributes is correct.

Module: DFHFCFS
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0535 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the VSAM catalog. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere on the VSAM catalog have changed. The new recovery attributes now take effect because there are no other files open for the data set.

System action: Processing continues. The new recovery settings are assumed for the file.

User response: Ensure that this change to the recovery attributes is correct.

Module: DFHFCFS
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0536 applid Recovery attributes for file filename previously taken from the FCTE have been overridden by new settings from the VSAM catalog. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere on the VSAM catalog are no longer undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System action: Processing continues. The new recovery settings are assumed for the file.

User response: Ensure that this change to the recovery attributes is correct.

Module: DFHFCFS
XMEOUT Parameters: applid, filename, module
Destination: Console

DFHFC0537 applid OPEN of file filename failed. The request to write a tie up record for the OPEN failed.

Explanation: While CICS was opening file filename, a request to write a tie up record for the OPEN failed. CICS has closed the file again and failed the OPEN request.
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**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename`

**Destination:** Console

---

DFHFC0539  **applid**  (RLS | Non-RLS) OPEN of file *filename* failed. IGWARLS call has returned that the LOG parameter is not set to ALL but the BWO setting has been defined as TYPECICS. Module *module*.

**Explanation:** While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module *module* detected that BWO has been set to TYPECICS but LOG(ALL) has not been specified.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** If BWO(TYPECICS) is required, specify LOG(ALL). Alternatively, the setting BWO(NO) is recommended.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename`

**Destination:** Console

---

DFHFC0541  **applid**  RLS OPEN of file *filename* failed. RLS is not supported.

**Explanation:** While CICS was opening file *filename* the CICS file control open/close routine in module *module* detected that RLS was not supported. Either this CICS system is running with system initialization parameter RLS=NO or the level of VSAM does not support RLS.

**System action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Determine why RLS access is not supported.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename`

**Destination:** Console

---

DFHFC0542  **date time applid**  Forward recovery log ID *fwdrecovlog*, journalname journalname opened for file *filename* is not of type MVS. Module *module*.

**Explanation:** While CICS was opening file *filename* the CICS file control open/close routine in module *module* detected that the forward recovery log, *journalname*, was not of type MVS. For example, it might be a dummy log, or you might be logging to an SMF data set. This message informs you of this in case the log type is not what you intended.

**fwdrecovlog** is the forward recovery log ID specified in the file definition. If the forward recovery log stream is specified in the VSAM catalog rather than in the file definition, it must be of type MVS, so this message can be issued only when the forward recovery log is specified in the file definition.

**System action:** CICS continues processing.

**User response:** Correct the definition of the forward recovery log if it was not what you had intended.

**Module:** DFHFCFS

**XMEOUT Parameters:** `date, time, applid, fwdrecovlog, journalname, filename, module`

**Destination:** CSFL

---
DFHFC0555  applid  One or more data sets are in lost locks status. CICS performs lost locks recovery.

**Explanation:** CICS had one or more data sets open in RLS access mode at the time of a failure of the coupling facility lock structure from which SMSVSAM was not able to recover transparently. As a result, the RLS locks held by CICS for those data sets have been lost.

SMSVSAM has informed CICS that one or more data sets are in a lost locks state with respect to this CICS. CICS must therefore perform lost locks recovery for those data sets.

Lost locks recovery can occur on a CICS warm or emergency restart, and on a dynamic RLS restart. On a CICS cold or initial start, if there are any data sets with lost locks status, that status is cleared with respect to this CICS.

**System action:** The data sets with lost locks status are marked as being unavailable for general use. Units of work that attempt to access such data sets abend with an AFCU abend code.

CICS performs lost locks recovery for the data sets. For each data set, lost locks recovery involves waiting until all units of work that had made uncommitted updates to the data set have completed. These units of work can access the data set, in order to perform their recovery. When CICS has completed lost locks recovery for a data set, it reports this fact to SMSVSAM. If all CICS regions that had been accessing the data set have completed their lost locks recovery, then the data set is made available for general use again. A data set becomes available for general use as soon as its own lost locks recovery has been completed and does not wait for recovery of all data sets.

CICS takes the following actions to expedite lost locks recovery:
- Backout-failed and commit-failed units of work are driven for retry.
- If a dynamic RLS restart occurs, inflight transactions that updated the data set are purged. If a warm start or an emergency restart occurs, inflight units of work are automatically backed out.

**User response:** Lost locks recovery normally completes automatically without requiring any action from the user. If there are shunted units of work which had updated a data set with lost locks status, these prevent lost locks recovery from completing until resolved. Use the INQUIRE UOWDSNFAIL command to investigate these shunted units of work.

If lost locks recovery is slow you can compare the output obtained by issuing the IDCAMS SHCDS LISTSUBSYS(ALL) command at different intervals, to determine the progress.

For more information about resolving shunted units of work which hold RLS retained locks see the CICS Recovery and Restart Guide.

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

**Destination:** Console

---

DFHFC0556  applid  Unexpected notification of completion of lost locks recovery for data set dsname.

**Explanation:** CICS has received a notification from SMSVSAM that lost locks recovery has completed for data set dsname, but CICS still has outstanding lost locks recovery work for that data set. This notification has therefore been issued out of sequence.

**System action:** CICS continues processing. The data set remains in a lost locks state, and CICS continues with its lost locks recovery. New file control requests against the data set will continue to be rejected with AFCU abends. When all CICS regions have completed their lost locks recovery for the data set, then a valid notification will be received and CICS will remove the data set from the lost locks state.

There will be an instance of this message on each CICS system for each data set when an unexpected notification is received.

**User response:** Lost locks recovery processing should complete normally without any user intervention.

However, this message is an indication of a probable logic error in SMSVSAM, so you should take dumps of all the SMSVSAM servers and their associated data spaces in the sysplex. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCRR

**XMEOUT Parameters:** applid, dsname

**Destination:** Console

---

DFHFC0560  applid  The register of the RLS control ACB has failed because the SMSVSAM server is not available. VSAM macro IDAREGP return code X'rrrr', reason code X'cccc'.

**Explanation:** While CICS was initializing file control, the call to VSAM to register the control ACB for RLS processing returned an error. The codes returned mean that the SMSVSAM server address space is not available.

**System action:** CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the SMSVSAM server restarts.

**User response:** The SMSVSAM server address space should restart itself. If it does not, restart the
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SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCCA
XMEOUT Parameters: applid, X‘rrrr’ , X‘cccc’
Destination: Console

---

DFHFC0562  applid The RLS control ACB has been successfully registered by CICS.

Explanation: This message provides a record of the register of the RLS control ACB by CICS.
System action: CICS processing continues.
User response: None.
Module: DFHFCCA.
XMEOUT Parameter: applid
Destination: Console

---

DFHFC0563  applid The RLS control ACB has been successfully unregistered by CICS.

Explanation: This message provides a record of the unregister of the RLS control ACB by CICS.
System action: CICS processing continues.
User response: None.
Module: DFHFCCA.
XMEOUT Parameter: applid
Destination: Console

---

DFHFC0564  applid The register of the RLS control ACB has failed. VSAM macro IDAREGP return code X‘rrrr’, reason code X‘cccc’, error data X‘dddd’.

Explanation: While CICS was initializing access to VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.
System action: CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.
User response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets.
If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHFCCA
XMEOUT Parameters: applid, X‘rrrr’, X‘cccc’ 
Destination: Console

---

DFHFC0565  applid The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code X‘rrrr’, reason code X‘cccc’, error data X‘dddd’.

Explanation: While CICS was quiescing RLS access the call to VSAM to unregister the RLS control ACB returned an error.
System action: CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.
User response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets.
If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHFCCA
XMEOUT Parameters: applid, X‘rrrr’, X‘cccc’, X‘dddd’
Destination: Console
The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code X'rrrr', reason code X'cccc'.

Explanation: While CICS was quiescing RLS access, the call to VSAM to unregister the RLS control ACB returned an error.

System action: CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCCA
XMEOUT Parameters: applid, X'rrrr', X'cccc'
Destination: Console

File control dynamic RLS restart has started.
Explanation: File control dynamic RLS restart has started.
System action: Processing continues.
User response: None. You can suppress this message with the system initialization parameter, MSG_LVL=0.
Module: DFHFCRR
XMEOUT Parameter: applid
Destination: Console

File control dynamic RLS restart has ended.
Explanation: File control dynamic RLS restart has completed successfully.
System action: Processing continues.
User response: None. You can suppress this message with the system initialization parameter, MSG_LVL=0.
Module: DFHFCRR
XMEOUT Parameter: applid
Destination: Console

File control RLS access has been enabled.
Explanation: RLS access is now available.
System action: Processing continues.
User response: None.
Module: DFHFCRR
XMEOUT Parameter: applid
Destination: Console

File control RLS access cannot be restarted.
Explanation: An error has occurred while attempting to restart CICS access to VSAM RLS, either at startup, or during a dynamic RLS restart which took place when the VSAM RLS server became available while CICS was running. Because of this error, it may not be possible to access VSAM RLS again during this CICS run.

Access is made available again only if the VSAM RLS server in this MVS system fails causing CICS to perform dynamic RLS restart processing when it restarts, or if you choose to deliberately recycle the RLS server to trigger a dynamic restart.

System action: CICS continues, but with access to VSAM RLS disabled (unless an offsite restart is being performed). Other CICS functions, including access to non-RLS VSAM files, should continue.

At the time the error affecting RLS restart is detected, CICS issues one or more messages and takes a system dump.

This error might also affect other aspects of this CICS system, for example if it is due to the corruption of internal CICS control structures.

If an offsite restart is being performed; that is, if OFFSITE=YES was specified as a system initialization override, then CICS does not continue, but is terminated with a system dump. When RLS offsite recovery is required, then there is no value in continuing without RLS, because it will be needed in order for the offsite restart to be able to complete. Until all CICS systems complete their offsite recovery work, including this one, no other CICS system in the CICSplex will be allowed to perform new RLS work either.

User response: If you do not need access to any VSAM RLS files from this CICS system, you can allow CICS to continue. For example, this CICS system might never open files in RLS access mode, or you might prefer to continue without RLS access in order to continue this CICS run.

If you do need to access VSAM RLS files from this CICS, consider shutting CICS down and restarting it, or recycling the VSAM RLS server. However, be aware
that recycling the server causes all CICS systems in this
MVS to go through dynamic RLS restart processing,
which implicitly closes all files that were open in RLS
access mode.

To determine the cause of the original error, examine
the messages and the system dump that were issued
when the error was detected.

If you are performing an **offsite restart**, then restart
CICS with OFFSITE=YES still specified as a system
initialization override.

**Module:** DFHFCRR.
**XMEOUT Parameter:** applid
**Destination:** Console

---

**DFHFC0574**  **applid**
**Explanation:** OFFSITE=YES has been specified as a
SIT override, and RLS is supported by this CICS
(RLS=YES has been specified and the level of
DFSMS/MVS supports RLS). This message is issued
during file control initialization to indicate that RLS
offsite recovery processing is to be carried out during
this CICS run.

**System action:** RLS access is not allowed until after
this CICS has performed its RLS recovery work. Only
tasks performing the recovery work are allowed RLS
access. Message DFHFC0575 is issued when RLS
recovery has been completed by this CICS. RLS access
for normal work is not allowed until this CICS has
issued message DFHFC0575 and received the reply GO.
The description of message DFHFC0575 explains when
it is safe to reply to the message.

**User response:** Wait for message DFHFC0575 to be
issued. If this does not happen shortly after CICS
restart has completed, there are probably some backout
failed or indoubt failed units of work which had
updated RLS data sets, and which are now delaying
the completion of RLS recovery. In this case you should
use the INQUIRE UOWD$NFLAFAIL command to
determine the causes of such failures, and to resolve
them.

If some of the failures cannot be resolved cleanly, you
may decide to force indoubt units of work and to reset
locks for backout failed units of work. See the CICS
Recovery and Restart Guide for guidance on resolving
RLS retained locks.

If CICS terminates for any reason before message
DFHFC0575 is issued, specify OFFSITE=YES on the
restart.

OFFSITE=YES must be specified on all restarts until the
offsite recovery has completed and you have responded
to message DFHFC0575.

**Module:** DFHFCRP

---

**DFHFC0575**  **applid**
**Explanation:** This message is issued when a CICS
system is participating in an offsite recovery of a
CICSpex.

The message is issued when this CICS system has
completed all of its RLS recovery work. CICS has
backed out or committed all units of work which had
made updates to data sets open in RLS mode, and
which were either inflight or shunted at the time of the
disaster at the primary site (or, more exactly, which
were in that state at the common point in time to
which the CICS system logs have been pruned).

**System action:** CICS processing continues, but the
system task which issued this message waits for your
reply. RLS access is not allowed for user applications
until the reply is received, after which CICS allows new
RLS work to run. The User Response explains when it
is safe for you to reply.

**User response:** The message indicates that RLS
recovery work has been completed by a particular CICS
region. Replying to it indicates that all RLS recovery for
the offsite CICSpex has been completed. Do not reply
until all CICS regions in the CICSpex have issued this
message. When this has happened, you should reply
GO. When you next restart this CICS region after
having replied GO, you should revert to the default
value of NO for the system initialization parameter
OFFSITE.

GO is the only reply allowed. If you supply any other
response, the message is reissued with a new reply
number.

If you suspect that there will be a problem getting
some of the CICS regions in the CICSpex to complete
their RLS recovery work, and would therefore prefer to
shut this CICS down in the meantime, you can use the
master terminal to do so. You must specify
OFFSITE=YES when you restart the CICS region
because offsite recovery for the CICSpex has not been
completed. Remember that OFFSITE=YES must be
specified on all restarts until the offsite recovery has
completed and you have responded to message
DFHFC0575.

**Module:** DFHFCOR

---
DFHFC0577  applid RLS offsite recovery is now complete. RLS access is allowed.

Explanation: This message is issued when a CICS system is participating in an offsite recovery of a CICSpex.

The message is issued when the reply GO has been supplied to message DFHFC0575.

System action: CICS allows user applications to access RLS because it is assumed that a reply of GO means that all CICS systems in the CICSpex have completed their RLS recovery work, and it is therefore safe to allow sharing of RLS data sets.

User response: Once you have received this message, you can recode your SIT overrides so that OFFSITE=NO is specified when this CICS is next restarted.

Module: DFHFCOR
XMEOUT Parameter: applid
Destination: Console

DFHFC0920  applid Open of empty file filename failed. VSAM codes - eeee,rrrr,cccc

Explanation: CICS file control issued an OPEN command for VSAM file filename but the command failed with VSAM return code cccc. The CICS internal error code eeee has a value of 8509 and rrrr is the return code in register 15.

This failure is probably caused by the file not being loaded before use by CICS.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 should be produced containing the symptom string for this problem.

VSAM issues a console error message.

User response: Check whether the file has been loaded before being accessed by CICS. This condition is probably the result of a user error in passing an empty file to CICS.

For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

Module: DFHFCFS
XMEOUT Parameters: applid, filename, eeee, rrrr, cccc
Destination: Console

DFHFC0931  applid OPEN of data table name failed for reason n.

Explanation: CICS was unable to OPEN the user-maintained data table name for reason n, where n may have one of the following values:

1 The data table support initialization module DFHDTINS could not be loaded.
2 Initialization of data table support has failed. This message is preceded by one of messages DFHFC0410, DFHFC0411 or DFHFC0412 which identifies the reason for the failure.
3 The source data set for the data table is not a KSDS base data set.
4 The data table OPEN module DFHDTST has reported an error. This message is preceded by one of messages DFHFC0430 or DFHFC0431 which identifies the error.
6 The file definition for the data table allows neither read nor browse access.

System action: The data table remains closed and is DISABLED. CICS processing continues.

User response: The appropriate user response depends on the reason code n as follows:

1 Check that module DFHDTINS is present in the library.
2 See the user action for the preceding message (which will be one of DFHFC0410, DFHFC0411 or DFHFC0412).
3 Check whether the data table has been associated with the intended source data set.
4 See the user action for the preceding message (which will be one of DFHFC0430 or DFHFC0431).
6 Change the SERVREQs in the file definition. There is no benefit in using data tables support for a file which cannot be read or browsed.

Module: DFHFCFS
XMEOUT Parameters: applid, name,n
Destination: Console

DFHFC0932  applid OPEN of data table name was incomplete for reason n.

Explanation: CICS was unable to treat name as a CICS-maintained data table for reason n.

System action: The data table's source data set is opened for access as a normal VSAM data set, and no main storage table is built. CICS processing continues.

User response: The appropriate user response depends on the reason code n. Refer to message
DFHFC0933 • DFHFC0937

DFHFC0931 for a list of reason codes and their appropriate user responses.

Urgent action is probably not necessary when this message occurs, as no function has been lost. However, READ performance may be adversely affected.

Module: DFHFCFS
XMEOUT Parameters: applid, name
Destination: Console

---

**DFHFC0933** applid MVS FREEMAIN failure detected during CLOSE of data table name.

**Explanation:** An MVS FREEMAIN, issued while CICS was attempting to release the storage associated with data table name, returned the error response R15=4. Some storage in the CICS address space has not been freed. The error is probably the result of some earlier overwriting of data table control areas.

**System action:** CICS closes data table name. CICS processing continues.

**User response:** This condition does not adversely affect the data tables function. However, if the problem recurs take a system dump (SDUMP) as soon as possible after the appearance of this message. For example, by means of a CEMT PERFORM SNAP command.

Module: DFHFCFS
XMEOUT Parameters: applid, name
Destination: Console

---

**DFHFC0935** applid SHAREOPTIONS of the source for data table name allow inconsistencies between table and source.

**Explanation:** The cross region SHAREOPTION for the source data set associated with the data table name is 3 or 4, or the SHAREOPTION is 2 and the table is being opened only for read access. It is possible for another job in this MVS system to update the source without notifying CICS. The result of this is that the data table may no longer match the source data set.

**System action:** Opening and loading of the data table continues normally. CICS processing continues.

**User response:** Check that the SHAREOPTION is specified correctly and that the DISP parameter is correct.

Note that source data set changes are reflected in the data table only when the changes are made by the CICS system which owns the table.

Module: DFHFCFS
XMEOUT Parameters: applid, name
Destination: Console

---

**DFHFC0936** applid Initiation of loading of data table name has failed.

**Explanation:** An attempt to initiate the table loading transaction for the data table name has failed.

**System action:** CICS processing continues. The effect this has is that the table always appears to be in the process of being loaded and the load completion exit, XDTLC, is not invoked.

One consequence of this is that the table is effectively demand loaded. This means that an entry is only made in the table when a transaction refers to it explicitly. A further consequence is that, for user maintained tables, API requests (other than READ) always result in a LOADING condition.

**User response:** Take remedial action after determining the cause of the failure from the trace of the OPEN request and from any related messages and dumps. It may be that the system action of leaving the table open, but not loaded, adversely affects your application. For example, if the application depends on being able to update a user maintained table as soon as loading is complete. If so, closing and reopening the data table may be successful as an immediate response, if the problem was simply a temporary lack of resources.

Module: DFHFCFS
XMEOUT Parameters: applid, name
Destination: Console

---

**DFHFC0937** applid OPEN of name1 as a data table was not possible. The file has been opened and will use data table name2 which has the same source.

**Explanation:** File name1 could not be opened as a CICS-maintained data table (CMT) because another CMT name2 is already open for the source data set specified in the file definition of name1. However, name1 is still able to benefit from shared data tables support by accessing the already open CMT.

**System action:** name1 is opened as a normal CICS file, and therefore automatically uses the existing data table name2 whenever possible.

**User response:** This is not normally a problem, but you should ensure that the data table name2 has the required characteristics in terms of its maximum number of records and in the behavior of any data table user exits that refer to it.

Module: DFHFCFS
XMEOUT Parameters: applid, name1,name2
Destination: Console
DFHFC0940I  date time applid CICS data table load has started for data table name.

Explanation:  CICS file control has detected that an open request has been issued for data table name, and a task has been attached to load the data table.

System action:  CICS processing continues.

User response:  None.

Module:  DFHDTLX

XMEOUT Parameters: date, time, applid, name

Destination:  CSFL

DFHFC0941I  date time applid CICS data table load has completed successfully for data table name.

Explanation:  The task that was attached to load the data table name has successfully completed loading.

System action:  The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. CICS processing continues.

User response:  None.

Module:  DFHDTLX

XMEOUT Parameters: date, time, applid, name

Destination:  CSFL

DFHFC0942E  date time applid CICS data table load has terminated abnormally for data table name, reason code = X'xx'.

Explanation:  The CICS task that is loading data table name has received a reason code X'xx' from CICS file control while browsing the source data set. The reason code X'xx' should be one of the following:

X'FB'  CICS file control has requested that the data table load be abandoned. This may occur, for example, if a close request has been made against the data table.

X'FD'  An attempt has been made to add more entries to the data table than the maximum specified in the table definition.

X'FE'  A shortage of virtual storage has been reported by the add entry (from DASD) service, due to a failure to get storage for the record.

System action:  The user exit XDTLC is invoked, if enabled, unless file control has requested that the load be abandoned (reason code X'FB'). The value of the UEPDTORC parameter passed to the exit indicates that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added results in a “not found” response code. If the table has been closed, then API requests result in an “unenabled” response code.

CICS processing continues.

User response:  The appropriate user response depends on the reason code. User responses are as follows:

X'FB'  no action necessary
X'FD'  increase the size specified for the data table using the MAXNUMRECS field in its resource definition
X'FE'  increase the available storage above the 16MB line.

Module:  DFHDTLX

XMEOUT Parameters: date, time, applid, name, X'xx'

Destination:  Console and Transient Data Queue CSFL

DFHFC0943E  date time applid CICS data table load has terminated abnormally for data table name, reason code = X'xx'.

Explanation:  The CICS task that is loading data table name has received an unexpected return code from CICS file control while browsing the source data set. The reason code X'xx' should be one of the following:

X'02'  ILLOGIC—A VSAM error which does not fall into one of the other categories.
X'0C'  NOTOPEN—The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.
X'0D'  DISABLED—The file is disabled.
X'80'  IOERR—I/O error.

System action:  The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user maintained, requests to access any record which was not added results in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

User response:  Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR and READNEXT commands, in the CICS Application Programming Reference.

Module:  DFHDTLX
DFHFC0945E  DFHFC0947E

**XMEOUT Parameters:** date, time, applid, name, X’xx’

**Destination:** Console and Transient Data Queue CSFL

**DFHFC0945E**  
*date* time *applid* CICS data table load has terminated abnormally for data table *name*.

**Explanation:** The special CICS transaction that was loading data table *name* has detected an abnormal termination.

**System action:** Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added, are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added result in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

**User response:** Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code AFCM for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the CICS Problem Determination Guide.

**Module:** DFHDTLX

**DFHFC0947E**  
*date* time *applid* CICS data table load has failed to close data table *name*, a call to FCFS has failed for reason code = *n*.

**Explanation:** The CICS task that is loading data table *name* has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code *n* indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

**System action:** CICS terminates the loading transaction with abend code AFCM.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

**Module:** DFHDTLX

**DFHFC0946E**  
*date* time *applid* CICS data table load has terminated abnormally for data table *name*, a call to FCFR has failed for reason code = *n*.

**Explanation:** The CICS task that is loading data table *name* has failed while calling file control to browse the source data set. The value of the reason code *n* indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

**System action:** The user exit XDTLC is invoked, if enabled, with parameter UEPDTORC set to indicate that loading has completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, records which were not added are retrieved from the source data set to satisfy API requests. If the table is user-maintained, requests to access any record which was not added result in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

**User response:** It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table *name*. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHDTLX
**DFH0949**  
*Date, time, applid, name, n*

**Explanation:** The CICS task to load a shared data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code indicates the type of failure as follows:
1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

**System action:** The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known. CICS terminates the loading transaction with abend code AFCL. No records are loaded into the data table. Requests to access any record which was not added result in a “not found” response code.

**User response:** Determine the cause of the failure of the domain call using the diagnostic information provided by the CIS Transaction Manager. The file should be closed so that a load may be attempted again when it is next opened.

**Module:** DFHDTLX

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**DFH0950**  
*applid Warning. File filename Opened with VSAM SHROPT 3 or 4. CICS cannot prevent concurrent updates*

**Explanation:** VSAM share options 3 and 4 permit updating of a data set from multiple regions. Under these circumstances, CICS cannot prevent concurrent updates.

The file is being opened for update against a data set defined with share options 3 or 4, and the file has been defined with the following auto-journaling options:

JNLADD = BEFORE, AFTER, or ALL

**System action:** The file is opened and a warning message is issued.

**User response:** None.

**Module:** DFHFCN

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**DFH0951**  
*applid (RLS | Non-RLS) OPEN of file filename failed. DSNAME not available from JCL or resource definition. Module module.*

**Explanation:** A CICS attempt to open file filename failed because neither the JCL nor the resource definition specified the data set name.

CICS file control did not open file filename, because
1. At initialization time, the startup JCL did not include a DD statement, and
2. No user-submitted routine allocated the file dynamically, and
3. The resource definition does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

**System action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** Before resubmitting the transaction, you must supply the data set name in the JCL or the resource definition. You can set the name in the resource definition while CICS is running by using the CEMT transaction or the EXEC CICS SET command or by using CEDA to correct and reinstall the FCT entry.

**Module:** DFHFCFS, DFHFCRO

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**DFH0952**  
*applid Dynamic allocation of (RLS | Non-RLS) file filename failed. Return code X'rrrr', X'cccc' in module module.*

**Explanation:** While dynamically allocating file filename, CICS file control issued an MVS DYNALLOC macro. The DYNALLOC failed with return code cccc. rrrr is the additional return code in register 15.

**System action:** CICS continues with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** for the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Assembler Services Guide.

**Module:** DFHFCFS DFHFCRO
DFHFC0953  DFHFC0956

DFHFC0953  applid Non-RLS OPEN or CLOSE of file filename failed. CICS logic error eeee, cccc

Explanation: While processing a request to open or close file filename, CICS detected an internal logic error in the file control services program. The value of eeee identifies the error as follows:

- 8105: The DFHFCFS set base dsname block failed. cccc is the return code from DFHFCFS.
- 8302: Request to DFHFCN for a pool that is not defined to CICS.
- 8701: Request to DFHFCN is not OPEN or CLOSE.
- 8704: Request to DFHFCCL is not BUILD or DELETE.
- 8705: Request to DFHFCCL is for invalid pool number cccc.
- 8706: Request to DFHFCCL is for pool number cccc that is not defined to CICS.
- 8707: DFHFCCL failed to build BLDVRP parameters. cccc is the pool number.
- 8798: Logic error at OPEN detected in DFHFCN at offset cccc.

System action: CICS terminates the task abnormally, produces a dump and continues processing with the status of file filename unchanged.

User response: This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

Module: DFHFCFS
XMEOUT Parameters: applid, filename, eeee, cccc
Destination: Console

DFHFC0955  applid Associated data set is dataset. Module module.

Explanation: This message follows DFHFC0952 or DFHFC0510. It identifies the VSAM data set referred to in that message.

System action: Processing continues in the way specified in DFHFC0952 or DFHFC0510.

User response: Follow the user response for DFHFC0952 or DFHFC0510 as appropriate.

Module: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, dataset, module
Destination: Console


Explanation: While reading the VSAM catalog to open the VSAM data set filename, CICS file control received the return code cccc from a SHOWCAT macro. The value of eeee is an error code from DFHFCN as follows:

- 8112: SHOWCAT for the AIX of a path failed.
- 8113: SHOWCAT for the data component of a base failed.
- 8116: SHOWCAT for the base of a path failed.
- 8117: SHOWCAT for an upgrade member failed.

System action: CICS writes a system dump, and continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file are sent a NOTOPEN condition.

User response: For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets.
DFHFC0958 • DFHFC0962

DFHFC0958 date time applid Calculation of LSR pool n parameters incomplete. Filename filename has no DSNAME.

Explanation: While dynamically calculating the parameters for the local shared resource pool (LSR) n, CICS found a FILE resource definition for which no DSNAME exists (either the resource definition has no DSNAME, or no DD statement exists).

System action: CICS processing continues.

Without a DSNAME, CICS cannot use the VSAM catalog to determine the file attributes. Therefore, in the LSR calculation, CICS uses the number of strings specified in the STRINGS attribute of the FILE resource definition but does not use the BUFFERS or KEYLEN information.

User response: Ensure that each FILE resource definition has either a DSNAME, or a DD statement corresponding to its DATASET name.

Exceptionally, if you use CPSM, please note that this message is normal for file EYUDREPN in a CMAS. Do not attempt to allocate a DSNAME or a DD statement for EYUDREPN in the JCL for the CMAS.

Module: DFHFCFS

DFHFC0962 date time applid Calculation of LSR pool n parameters incomplete for file filename. VSAM catalog access error. Return code - cccc

Explanation: While CICS was dynamically calculating the parameters for the local shared resource (LSR) pool n, a VSAM SHOWCAT or a VSAM LOCATE failed with return code cccc. Parameters for file filename are incomplete.

System action: CICS retains the accumulated LSR parameters for file filename and continues processing. No further attempts at calculating LSR parameters for file filename are made.

An exception trace is taken which identifies the failing VSAM request and its return code.

User response: For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see z/OS DFSMSdfp Utilities. This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCL
DFHFC0963 • DFHFC0966

Destination: Console and Transient Data Queue CSMT

**DFHFC0963** applid LSR pool n not deleted. Code - cccc

Explanation: CICS requested VSAM to delete a local shared resource (LSR) pool n. During processing of the request, a VSAM DLVRP macro failed with return code cccc. (cccc is the VSAM DLVRP return code.)

System action: CICS takes a system dump and continues processing with the pool still in existence.

User response: For the meaning of the DLVRP return code, see the **DFSMS Macro Instructions for Data Sets**.

Module: DFHFCFS

XMEOUT Parameters: applid, filename

Destination: Console

**DFHFC0966** applid Non-RLS OPEN of file filename failed. VSAM codes - eeee, rrrr, cccc.

Explanation: CICS file control issued an open for a VSAM file, filename. The open has failed with VSAM return code, cccc. eeee has a value of 8502 and represents the CICS internal error code and rrrr is the return code in register 15.

System action: CICS continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see z/OS **DFSMS Macro Instructions for Data Sets**.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, rrrr, cccc

Destination: Console

**DFHFC0964** applid Non-RLS OPEN of file filename failed. VSAM codes - eeee, rrrr, cccc.

Explanation: CICS file control issued an open for a VSAM file, filename. The open has failed with VSAM return code, cccc. eeee has a value of 8502 and represents the CICS internal error code and rrrr is the return code in register 15.

System action: CICS continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see z/OS **DFSMS Macro Instructions for Data Sets**.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, rrrr, cccc

Destination: Console

**DFHFC0965** applid Open of BDAM file filename failed.

Explanation: CICS file control issued an open for a BDAM file, filename. The open failed.

System action: CICS takes a system dump and continues processing, with file filename closed and with its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: For the meaning of the VSAM return codes, see z/OS **DFSMS Macro Instructions for Data Sets**. For the meaning of the DYNALLOC return codes, refer to the z/OS MVS **Authorized Assembler Services Guide**.

Module: DFHFCFS
DFHFC0967 • DFHFC0971

DFHFC0967  applid  Error detected while closing {RLS | Non-RLS} file  filename  - VSAM codes  X'rrrr',X'cccc'  in module  module.

Explanation:  CICS file control issued a close for VSAM file  filename.  The close failed with VSAM return code  cccc.  rrrr is the return code in register 15.

System action:  CICS processing continues.  CICS marks file  filename  as closed because VSAM will have closed the access method control block (ACB).  Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  Use the VSAM return code,  cccc  and the preceding VSAM console message to determine the cause of the problem.

For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

Module:  DFHFCFS, DFHFCRO

DFHFC0970  applid  Recoverable non-RLS file  filename  opened with VSAM SHROPT 3 or 4.  CICS cannot ensure integrity.

Explanation:  While opening the recoverable VSAM file  filename  for update, CICS detected that it was defined with SHAREOPTION 3 or 4, which allows updating from multiple regions.  CICS issues this message to warn you that it cannot ensure data integrity.

System action:  CICS opens file  filename  and continues processing.

User response:  If this integrity exposure is acceptable, no further user action is required.

If this integrity exposure is unplanned and unacceptable, cancel CICS, redefine file  filename  with a different SHAREOPTION, and restart.

Module:  DFHFCFS

DFHFC0968  applid  Close of BDAM file  filename  failed

Explanation:  CICS file control issued a close for a BDAM file,  filename.  The close failed.

System action:  CICS takes a system dump and continues, with file  filename  still open.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  BDAM will have issued a console error message.  Use the BDAM message to solve the problem.

Module:  DFHFCFS

DFHFC0971  applid  Non-RLS OPEN of file  filename  returned warning when positioning ESDS.  Error codes:  rrrr,cccc.

Explanation:  Before opening the VSAM ESDS file  filename  for output, CICS file control had to determine the end-of-data relative byte address (RBA).  The positioning process involved the dynamic allocation and deallocation of the base cluster to DDname DFHESDS.  The deallocation failed.

The MVS DYNALLOC return code is  cccc.  rrrr is the additional return code in register 15.

System action:  CICS opens the file  filename  and continues processing.

User response:  For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Assembler Services Guide.

Module:  DFHFCFS

DFHFC0969  applid  Non-RLS CLOSE of file  filename  failed.  CICS logic error - 8799 rrrr,cccc.

Explanation:  While attempting to close file  filename,  CICS detected internal logic error 8799 in the file control services program.  cccc is the offset in DFHFCN at which the error occurred.

System action:  CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file  filename  unchanged.

Message DFHME0116 should be produced containing the symptom string for this problem.

Module:  DFHFCFS

DFHFC0967  DFHFC0971

Chapter 4. DFH messages - DFH01 to DFHM  723
OPEN of file filename failed. VSAM catalog entry not found, return code - 8111 X'cccc' in module module.

Explanation: While opening a VSAM file filename, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the resource definition. This initial retrieval failed with VSAM return code cccc from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: Check that the resource definition for the file specifies the correct DSNAME. If DSNAME is correctly specified, see the explanation of the SHOWCAT return code in DFSMS Macro Instructions for Data Sets.

Module: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, X‘cccc’, module

Destination: Console


Explanation: While closing file filename, CICS file control issued the MVS macro, DYNALLOC, to dynamically deallocate the file. Deallocate failed with the MVS return code, cccc. rrrr is the return code in register 15.

System action: CICS continues with the file closed, but still allocated.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool n.)

Module: DFHFCFS

XMEOUT Parameters: applid, n

Destination: Console

Date time applid Calculation of LSR pool n parameters incomplete for file filename. VSAM catalog inconsistency - oooo

Explanation: While dynamically calculating local shared resource (LSR) parameters for file filename, CICS found that a VSAM SHOWCAT macro gave a normal return code, but the object retrieved was logically incorrect. n is the pool number, and oooo is the VSAM object type in error.

System action: CICS retains the accumulated LSR parameters for file filename, and continues processing. No further attempts at calculating LSR parameters for file filename are made.

User response: This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCL

XMEOUT Parameters: date, time,applid, n, filename, oooo

Destination: Console and Transient Data Queue CSMT

applid LSR pool n already exists

Explanation: CICS requested VSAM to build the local shared resource (LSR) pool n. However, this pool already exists.

System action: CICS takes a system dump and continues processing. If the existing pool is unsuitable, subsequent file OPENs may fail.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool n.)

Module: DFHFCFS

XMEOUT Parameters: applid, n

Destination: Console

date time applid Calculation of LSR pool n parameters not opened. DSNAME = NULLFILE or DD DUMMY. Module module.

Explanation: CICS could not open file filename, because the DSNAME was NULLFILE or the DD statement was DUMMY.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: None.

Module: DFHFCFS

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module

Explanation: While opening a VSAM file filename, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the resource definition. This initial retrieval failed with VSAM return code cccc from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.
Destination: Console


Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog, an SVC 26 (LOCATE macro) failed with return code cccc. eeee is the CICS internal return code, as follows
  8114 SVC 26 failed on index or data.
  8115 SVC 26 failed on base cluster.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: For the meaning of the LOCATE return code, see z/OS DFSMSdfp Utilities.

Module: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, X‘eeee’, X‘cccc’, module

Destination: Console

  Return code - X‘eeee’ in module module.

Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog, CICS file control open/close detected a CICS logic error. eeee is as follows
  8118 A VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.
  8119 In a VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.
  811A In a VSAM catalog entry for a base cluster, the data association or the index association is missing.
  811C The open was requested against the data association or the index association. The base cluster, AIX or path should be specified instead.

System action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response: Obtain a VSAM LISTCAT listing for file filename. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCFS

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, X‘eeee’, module

Destination: Console

DFHFC0979 date time applid LSR pool n parameters incomplete for file filename because the DSNAME specified in the resource definition could not be found on the VSAM catalog. VSAM has returned code rrrr in R15.

Explanation: While dynamically calculating VSAM local shared resource (LSR) parameters, CICS attempted to retrieve information from the VSAM catalog using the data set name in the resource definition for file filename. The catalog access failed with the VSAM return code rrrr from the SHOWCAT macro.

System action: CICS continues processing, but does not use any parameters for file filename in calculations for the LSR pool.

User response: Ensure that you have correctly specified the JCL for the file, and that the catalog containing the file is included in the JCL. If these checks do not reveal the error, see the meaning of the SHOWCAT return code, rrrr, in DFSMS Macro Instructions for Data Sets.

Module: DFHFCFS

XMEOUT Parameters: date, time,applid, n, filename, rrrr

Destination: CSMT

DFHFC0980 applid Non-RLS OPEN of base for file filename failed. CICS logic error eeee, cccc.

Explanation: While trying to open the VSAM ESDS base of a path through which a record insert has been requested for file filename, CICS has detected an internal logic error. eeee is as follows
  8E01 Request to DFHFCM is not OPEN or CLOSE.
  8E99 Logic error during DFHFCM processing at offset cccc.

System action: CICS takes a system dump and terminates the transaction abnormally.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCM

XMEOUT Parameters: applid, filename, eeee, cccc

Destination: Console

DFHFC0981 applid Dynamic allocation of base for non-RLS file(filename) failed. Return code rrrr, cccc.

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been
DFHFC0982 • DFHFC0988

requested for file filename, CICS file control issued an
MVS DYNALLOC command which failed with the
return code cccc. rrrr is the return code in register 15.

System action: CICS takes a system dump and
terminates the transaction abnormally.

User response: For the meaning of the DYNALLOC
return codes, refer to the MVS/ESA System Programming
Reference Application Development Guide.

Module: DFHFCM
XMEOUT Parameters: applid, filename, rrrr, cccc
Destination: Console

DFHFC0982  applid Non-RLS OPEN of base for file
filename failed. VSAM codes - rrrr, cccc.

Explanation: While trying to open the VSAM KSDS
base of a path through which a record insert has been
requested for file filename, CICS file control issued an
OPEN which failed with the VSAM error code cccc
from the ACB. rrrr is the VSAM return code in register
15.

System action: CICS takes a system dump and
terminates the transaction abnormally.

User response: VSAM issues a console error message.
Use the VSAM message and the VSAM return code in
the CICS message to solve the problem.

For the meaning of the VSAM return code, see the
MVS/DFP Access Method Services for VSAM Catalogs.

Module: DFHFCM
XMEOUT Parameters: applid, filename, rrrr, cccc
Destination: Console

DFHFC0983 applid Non-RLS CLOSE of base for file
filename failed. CICS logic error eeee, cccc.

Explanation: While trying to close the VSAM KSDS
base of a path through which a record insert has been
requested for file filename, CICS has detected an error.
eeee is as follows
8E05  Failure in DFHFCM to close VSAM base. cccc
is the error code from the VSAM ACB.
8E07  SVC 99 dynamic deallocation in DFHFCM
failed. cccc is the SVC 99 error return code.

System action: CICS takes a system dump and
continues processing, with base left open.

Message DFHME0116 should be produced containing
the symptom string for this problem.

User response: You need further assistance from IBM
to resolve this problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Module: DFHFCF, DFHFCRO
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS},
filename, module
Destination: Console

DFHFC0987 applid {RLS | Non-RLS} OPEN of file
filename failed: Not available for type of
processing. VSAM codes - 0008, 00A8 in
module module.

Explanation: When CICS attempted to open the
VSAM file filename, the OPEN failed with the VSAM
return codes shown in the message text. The probable
reason for the failure is that the data set is in use by
another region or another ACB in the CICS region, and
that the VSAM share options prohibit the level of
sharing needed to permit the OPEN.

A data set can not be opened by different files in both
RLS and non-RLS mode at the same time, with two
exceptions:

• Another CICS region or batch process can open a
data set in non-RLS read-only mode at the same time
as the data set is open in RLS mode.

• The XFCRLSCO user exit can override the default
behavior and open the data set using both RLS and
non-RLS files, provided that the non-RLS files have
read-only access.

System action: CICS continues processing, with the
file left closed and its state UNENABLED. Any
transaction attempting to use this file is sent a
NOTOPEN condition.

Message DFHME0116 should be produced containing
the symptom string for this problem.

User response: If the data set is in use by another
user, wait until it is free and then retry the OPEN.

If the problem recurs and you cannot resolve the
problem, you will need further assistance from IBM.
See Part 4 of the CICS Problem Determination Guide
for guidance on how to proceed.

Module: DFHFCF, DFHFCRO
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS},
filename, module
Destination: Console

DFHFC0988 applid Non-RLS OPEN of file filename
failed. This data set type is not
supported by CICS.

Explanation: An attempt to open file filename has
failed because the file referenced a data set of a type
not supported by CICS.

CICS File Control supports opening VSAM KSDS,
ESDS, RRDS and VRRDS data sets, paths over KSDS
and ESDS data sets, and BDAM data sets. No other
data set types are supported. For example, CICS does
not support opening a VSAM linear data set.

System action: CICS continues processing with
filename closed and its state UNENABLED. Any
transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** You have probably specified DSNAME incorrectly in the file definition. Correct the file definition.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename

**Destination:** Console

---

**DFHFC0989I** applid Non-RLS OPEN of file filename will be delayed because the associated data set dataset is being recalled.

**Explanation:** File filename is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

**System action:** The open of file filename will be delayed until its associated data set has been recalled.

**User response:** None.

**Module:** DFHFCN

**XMEOUT Parameters:** applid, filename, dataset

**Destination:** Console

---

**DFHFC0990** applid {RLS | Non-RLS} OPEN of file filename failed. Recovery specified, but the path is not in the upgrade set. Base data set dsname.

**Explanation:** An attempt was made to open a recoverable file, associated with a VSAM path over an alternate index, for update processing (SERVREQ=ADD, DELETE or UPDATE set). CICS detected that the recovery attributes on the file were inconsistent with those currently in force for the VSAM data set as recorded in the CICS data set name block. The file was not opened in order to maintain data integrity.

The data set takes the recovery attributes of the first file to open for update against it since a cold or initial start. Code cccc identifies the inconsistency found and takes the following values:

- **8514** Both the file and the data set have RECOVERY=ALL specified, but the forward recovery logs specified are different.
- **8515** The data set has RECOVERY=BACOUTONLY or RECOVERY=NONE specified, and the file is trying to open with RECOVERY=ALL.
- **8516** The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACOUTONLY.
- **851B** The file specified RECOVERY=NONE or BACKOUTONLY. The VSAM data set had RECOVERY=ALL specified.
- **851C** The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

**System action:** CICS continues processing with file filename closed and not enabled.

**User response:** Ensure that files referencing the same VSAM data set have the same recovery attributes specified.

Modify the FILE resource definitions and reinstall them.

To nullify the recovery attribute set for the base data set, the user can issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block, and leaves CICS with no record of prior recovery settings for this VSAM data set. The first file to subsequently...
open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

If you want to have files referencing the same VSAM data set with different backout recovery attributes you should use Global User Exit XFCNREC.

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename, cccc, dsname

**Destination:** Console

**DFHFC0995** applid Hiperspace allocation for LSR pool n was incomplete or zero.

**Explanation:** CICS requested VSAM to provide hiperspace buffers when building local shared resource (LSR) pool number n, but there was insufficient expanded storage available to satisfy the request completely.

**System action:** CICS continues processing. VSAM uses the buffers it has been able to provide.

**User response:** Review your installation’s use of expanded storage and use MVS facilities to adjust its allocation, or change your LSRPOOL resource definition, to reduce the hiperspace buffer requirements for pool n.

**Module:** DFHFCL

**XMEOUT Parameters:** applid, n

**Destination:** Console

**DFHFC0996** date time applid (Open | Close | Enable | Disable | Cancel of close) of file filename suppressed due to intervention of User Exit.

**Explanation:** An open, close, enable, disable or cancel close request has been issued against the specified file. An exit program enabled at the global user exit point XFC5REQ in CICS file control has directed CICS not to carry out the request.

**System action:** If the request being issued is an enable, disable, close or cancel close request, the file state remains unchanged, that is, it remains in the same state as before the request was issued.

If the request is an open request, the state remains unchanged unless the file was in a closed, enabled state. In this state, the open request could be an implicit open request, (that is, the file is being opened as part of a file API request). If it is an implicit open request, the file state is changed to closed unenabled to ensure the file API request is halted, and a NOTOPEN condition is returned to the application.

**User response:** Examine the reason for the command being suppressed. This is installation specific.

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename, dsname

**Destination:** Console

**DFHFC0998** applid User exit XFCNREC is causing file filename to be opened even though a file recovery inconsistency of type X’code’ exists. CICS cannot guarantee data integrity for base data set dsname.

**Explanation:** An attempt was made to open file filename for update processing, (SERVREQ=ADD, DELETE or UPDATE set), and CICS detected that the backout recovery attribute on the file was inconsistent with that on the VSAM base data set. Normally CICS would fail the open on detection of an inconsistency. However, a program running at user exit XFCNREC has indicated that the open should continue even though an inconsistency has been detected. CICS can no longer guarantee the integrity of the data on the associated data set. Code X’code’ identifies the inconsistency and can take one of the following values:

X’8516’ The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

X’851C’ The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

An INQUIRE on the RECOVSTATUS for the data set from this point onwards returns a NOTRECOVABLE response. The data set is marked as not recoverable until the next CEMT SET DSNAME REMOVE, EXEC CICS SET DSNAME REMOVE command or cold or initial start.

**System action:** CICS opens file filename and continues processing using the recovery setting from the file.
definition to determine whether backout logging
should be performed.

User response: Ensure that it is correct for the backout
recovery attribute inconsistency to be ignored for this
data set.

If the backout recovery attribute inconsistency should
not have been ignored, ensure that files referencing the
same VSAM data set have the same recovery attributes.
If they do not, modify and reinstall their resource
definitions.

To nullify the recovery attribute set for the base data
data set, issue a CEMT SET DSNAME REMOVE or EXEC
CICS SET DSNAME REMOVE command. This deletes
the base cluster block and leaves CICS with no record
of prior recovery settings for this VSAM data set. The
first file to subsequently open against this data set
causes a new base cluster block to be built. If the file is
opened for update processing, the recovery attributes of
this file are copied into the base cluster block.

Module: DFHFCN
XMEOUT Parameters: applid, filename, X'code', dsname
Destination: Console

DFHFC0999 applid RLS OPEN of file filename failed.
RLS access is disabled.

Explanation: While CICS was opening file filename the
CICS file control open/close routine detected that RLS
access is disabled. A PREVIOUS open or record
management request received a serious error from
VSAM and disabled RLS access.

System action: CICS continues processing with file
filename closed and its state UNENABLED. Any
transaction attempting to use RLS files is sent a
NOTOPEN condition.

User response: Determine why RLS access was
disabled.

Module: DFHFCRO
XMEOUT Parameters: applid, filename
Destination: Console

DFHFC3001 date time applid Record not backed out
because it may have been overridden by
a non-RLS batch job. Diagnostic
information follows in message
DFHFC3010. The record was updated by
unit of work X'local-uowid' for file
filename, base data set data-set-name

Explanation: A log record was presented to file
control for backing out, but although the updated
record was protected by a VSAM RLS lock, a non-RLS
batch job had elected to override the RLS locks held on
this data set and therefore the condition of the record
can no longer be guaranteed. The update had been
made to the base data set data-set-name via the CICS file
filename, under the unit of work identified by
local_uowid.

System action: The update is not backed out because
the condition of the updated record cannot be
guaranteed. The updated data is committed instead.
Diagnostic information is provided by this message and
the subsequent message DFHFC3010.

User response: See the associated message
DFHFC3010 for more information and guidance.

Module: DFHFCRC
XMEOUT Parameters: date, time,applid, X'local-uowid',
filename,data-set-name
Destination: CSFL

DFHFC3002 date time applid Record backed out at
request of user exit although it may
have been overridden by a non-RLS
batch job. Diagnostic information
follows in message DFHFC3010. The
record was updated by unit of work
X'local-uowid' for file filename, base data
set data-set-name

Explanation: A log record was presented to file
control for backing out, but although the updated
record was protected by a VSAM RLS lock, a non-RLS
batch job had elected to override the RLS locks held on
this data set. However, an exit program enabled at the
XFCBOVER exit point decided that the non-RLS batch
job would not have caused corruption of the record,
and requested that the backout should go ahead. The
update had been made to the base data set
data-set-name via the CICS file filename, under the unit
of work identified by local_uowid.

System action: An attempt to backout the update is
made because the user exit requested that backout
should go ahead. Diagnostic information is provided by
this message and the subsequent message DFHFC3010.

User response: See the associated message
DFHFC3010 for more information and guidance.
DFHFC3003 • DFHFC3010

Module: DFHFCRC

XMEOUT Parameters: date, time, applid, X'local-uowid', filename, data-set-name

Destination: CSFL

DFHFC3003 date time applid Record not backed out because locks for a backout-failed data set have been reset. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation: An update made by unit of work local-uowid to the base data set data set name via the CICS file filename was protected by a lock while awaiting successful backout, but a decision has been taken locally to reset the locks for this data set. The log record representing the update has therefore been presented to file control for the purpose of providing diagnostic information in this and the subsequent message DFHFC3010.

System action: The update is not backed out and the lock is released. The implication of resetting the locks for a data set is that the backout has failed for some reason which cannot be easily corrected. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User response: See the associated message DFHFC3010 for more information and guidance.

Module: DFHFCRC

XMEOUT Parameters: date, time, applid, X'local-uowid', filename, data-set-name

Destination: CSFL

DFHFC3010 date time applid Diagnostic information for unit of work X'local-uowid' and file filename. Update was a {read-update | write-add} made by transaction tranid at terminal termid under task number tasknum. Key length key-length, data length data-length, base ESDS RBA X'base-RBA-or-zero', record key X'record-key'

Explanation: This message follows each DFHFC3001, DFHFC3002, DFHFC3003, or DFHFC3004 message, and provides additional information to help diagnose and correct the situation reported in the preceding message.

For any given filename and unit of work CICS normally issues messages of only one type; for example, a series of DFHFC3001 messages each followed by DFHFC3010, or a series of DFHFC3003 messages each followed by DFHFC3010.

The exception to this is when an exit program enabled at the XFCBOVER global user exit point elects to backout some updates and not to backout others. In this situation CICS might issue a combination of DFHFC3001 and DFHFC3002 messages (each followed by DFHFC3010) for the same filename and unit of work.

This message includes the following information

local-uowid

The local unit-of-work identifier for correlation with the preceding message.

filename The file name for correlation with the preceding message.

• An indoubt WAIT timeout occurred, and the transaction definition specified BACKOUT.

• One of the resource managers involved in the unit of work did not support waiting during the indoubt period.

The update being backed out was made to the base data set data-set-name via the CICS file filename. This and the subsequent message provides diagnostic information which is of use in correcting the situation if the actual resolution of the distributed unit of work was to commit it rather than to back it out.

System action: The update is backed out, and diagnostic information is provided by this message and the subsequent message DFHFC3010.

User response: See the associated message DFHFC3010 for more information and guidance.

Module: DFHFCRC

XMEOUT Parameters: date, time, applid, X'local-uowid', filename, data-set-name

Destination: CSFL

DFHFC3004 date time applid Record backed out because of the forced back out of an indoubt unit of work. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation: A log record has been presented to file control for backing out because the local unit of work local-uowid, which was part of a distributed unit of work, has gone in-doubt, and CICS has backed out the local unit of work. This decision to back out the record is the result of one of the following

• CICS received an SPI SET UOW or SET DSNAME command that specified BACKOUT.

• CICS received an SPI SET UOW or SET DSNAME command that specified FORCE and the indoubt attributes on the transaction definition specified BACKOUT.

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The type of before-image log record presented to file control. The type is read-update if the update made to the file was either: a READ UPDATE, READNEXT UPDATE or READPREV UPDATE request (which will normally have been followed by a REWRITE or DELETE request), or a DELETE request which specified a RIDFLD. The type is write-add if the update made to the file was a WRITE request.

tranid
The transaction under which the original update was made.

termid
The terminal from which the transaction which made the original update was run.

tasknum
The task number under which the transaction which made the original update was run.

key-length
The length of the record key.

data-length
The length of the data in the before-image.

base-RBA-or-zero
The base RBA if the update was made to a standard addressing ESDS, or zero if the update was made to any other kind of data set. If the update was made to an extended addressing ESDS, the XRBA of the record can be found in record-key.

record-key
The value of the record key field, in hexadecimal.

System action: None beyond the system action described under the preceding message.

User response: Use the diagnostic information to determine any changes that need to be made to the data set to ensure that the contents are correct. Once you have identified the record which may not now contain the correct contents, and the transaction which originally updated it, a knowledge of your application programs should allow you to determine the necessary action.

Module: DFHFCRC

XMEOUT Parameters: date, time, applid, X’local-uowid’, filename,{1=read-update, 2=write-add}, tranid, termid, tasknum, key-length, data-length, X ‘base-RBA-or-zero’, X ‘record-key’

Destination: CSFL

DFHFC4700 applid {An unexpected | A VSAM | A length | A lock | A timeout | An unexpected delete} error has occurred during file backout. (Module DFHFCFR has returned reason code (X’xx’), access method code (X’cccccccc’) and length error code (X’y’).)

Explanation: File backout has called module DFHFCFR as part of its processing, and an error has been returned which should not be possible during backout. The message text includes the type of error that has occurred.

Additional diagnostic information is provided by the reason code xx returned from DFHFCFR, the code cccccccc which was returned to DFHFCFR from the access method that it called, and the length error code yy.

The length error code is normally either X’00’, indicating that length errors are not applicable to the type of request which was in error, or X’01’, indicating that there was no length error. A value greater than X’01’ occurs when the message text indicates that the type of error is a length error.

System action: An exception trace point is written, and a system dump is taken.

The error is processed as a backout failure. Unless a user exit program enabled at the XFCBFAIL exit point bypasses backout failure processing, message DFHFC4701 or DFHFC4702 follows and gives details of the file and data set involved.

CICS continues.

User response: Inform the system programmer. This indicates a possible error in CICS, VSAM or BDAM code. The severity of its impact depends on whether the backout can be successfully retried.

If the data set being backed out is a VSAM data set, you can retry the backout. Message DFHFC4701 names the data set, and the failed backout can be retried using SET DSNAME RETRY. If the problem is due to some transient condition which has since cleared, the backout will now succeed.

If the data set being backed out is a BDAM data set, the backout cannot be retried. The data is committed and the locks are released, unless an exit program enabled at the XFCBFAIL exit point terminates CICS, in which case data integrity can be preserved by performing an emergency restart.

If the backout cannot be successfully retried, then take action depending on the type of error indicated in the message text

• An unexpected error

This probably indicates either a corruption of storage or an error within CICS code. It might also indicate an error within the access method called to process the request (VSAM or BDAM).
DFHFC4701

The reason code xx is the reason code from the DFHFCFR parameter list and has been included as additional documentation in case you need further help from IBM.

The access method code cccccccc is information returned to file control in the VSAM RPL if the error was detected by VSAM, or the BDAM DECB if the error was detected by BDAM. For VSAM, the first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see z/OS DFSMS Macro Instructions for Data Sets). For BDAM, the access method code is the 4-byte exception codes field from the DECB (for more information, see z/OS DFSMS Macro Instructions for Data Sets).

- A VSAM error
  This indicates that an error has occurred within VSAM.
  The access method code cccccccc is information returned to file control in the VSAM RPL. The first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see z/OS DFSMS Macro Instructions for Data Sets).

- A length error
  When a length error is reported, the length error code yy will be greater than X'01'. This normally indicates a serious error in CICS, VSAM, or BDAM processing. If it occurs for a BDAM data set, check the FCT and DCB definitions in case there is a mismatch between, for example, the block sizes, which would result in a length error.

- A lock error
  This indicates that backout processing has encountered a LOCKED response on attempting to acquire a lock on a record which is held as a retained lock by another unit of work. This should not be possible because the record should be locked by the unit of work being backed out. If this error occurs for a file being accessed in RLS mode, then it probably indicates an error in the SMSVSAM server. If this error occurs for a file being accessed in non-RLS mode, then it probably indicates an error in CICS enqueue processing.

- A timeout error
  This indicates that backout processing has timed out attempting to acquire an RLS lock. This should not be possible during backout because the record should already be locked by the unit of work being backed out. If this error occurs then it probably indicates an error in the SMSVSAM server.

- An unexpected delete error
  This indicates that the request to be backed out was a delete request, but that the file type is one for which deletes are not supported (VSAM ESDS or BDAM). The most likely cause of this error would be some corruption of the data set, although it might also indicate an error within CICS, or a storage corruption.

You may need assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCRC

XMEOUT Parameters: applid, {1=An unexpected, 2=A length, 3=A lock, 4=A timeout, 6=An unexpected delete}, X'xx', X'ccccccc', X'yy'

Destination: Console

DFHFC4701 date time applid Backout failed for transaction tranid, VSAM file filename, unit of work X'local_uowid', task task_number, base base_dsname, path path_dsname, failure code X'bfail_code'.

Explanation: File backout has been unable to backout an uncommitted change made to a VSAM data set via file filename, that was made by the unit of work local_uowid.

The file is associated with the data set path_dsname. This is either a base cluster data set if the path_dsname and base_dsname given in the message are the same, or is a path data set whose base cluster is the base_dsname given in the message if the two names differ.

The change that is being backed out was originally made by task task_number servicing transaction code tranid, running under the unit of work local_uowid. The current task number will differ from the original one that is given in the message if this backout is itself a retry of an earlier backout which also failed, or is a backout being carried out following resolution of an indoubt situation, and the current transaction code will differ from the original one if the transaction has been disabled.

The failure code X'bfail_code' indicates the reason for the failure.

System action: The system continues normally.

Backout of the unit of work continues, but no further attempts to backout updates made by this unit of work to the base_dsname named in the message are made.

When the unit of work has been backed out as far as is possible, those updates which could not be backed out are deferred (shunted) until the backout can be retried.

It is possible for other work to continue to access the base cluster data set, but the updates in that data set that were changed by this unit of work are locked by retained locks. This ensures that any attempt to access these records results in a LOCKED response being returned to the application. The records must remain locked until the backout has been successfully retried in order to preserve data integrity.
If, when the backout is retried, it fails again for either the same or another reason, this message is issued again, with the failure code indicating the reason for the failure on this occasion.

**User response:** You may decide to leave the data set online for any of the errors indicated by 'X\$fail_code'. Especially if you believe that the backout failure may have been due to some transient situation, and that the backout may succeed if retried. You can manually drive retry of the backout using the SET DSNAME RETRY command, or alternatively wait until some event triggers retries of the shunted backouts in the system.

As a last resort, and at the cost of losing data integrity, you could bypass the deferred backout of uncommitted changes to this data set using the SET DSNAME RESETLOCKS command.

The user response depends on the value of the failure code 'X\$fail_code'.

10. The backout attempted to add a duplicate key value to a unique alternate index. The backout can never be carried out unless you can delete the existing record with this alternate key value, then retry the backout using SET DSNAME RETRY. This failure can only occur for a file being accessed in non-RLS mode.

20. The data set ran out of storage while the request was being processed. You should reallocate the data set with more space, then retry the backout using SET DSNAME RETRY. Do not forward recover the data set. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

24. An I/O error has occurred on the data set. You should consider the possibility that the data set needs restoring, especially if there have been a large number of these messages referring to the same base cluster data set, or if there have also been I/O errors issued during request processing for that data set.

If you do decide to restore the data set, you should take the following steps

1. Prevent access to the data set
2. Restore a backup copy and forward recover the data set (for example, using CICSVR)
3. Reallow access to the data set
4. Retry deferred backouts.

For an RLS mode data set, prevent access by issuing a SET DSNAME QUIESCED command which closes all open files throughout the sysplex and prevents further RLS opens. Reallow access by issuing a SET DSNAME UNQUIESCED command, which also retries deferred backouts automatically.

For a non-RLS mode data set, prevent access by issuing a SET DSNAME UNAVAILABLE command to prevent further non-RLS opens and issue SET FILE CLOSED commands for all open files. Reallow access by issuing a SET DSNAME AVAILABLE command, and retry deferred backouts using SET DSNAME RETRY.

40. Logical delete for an ESDS data set was not performed because the XFCLDEL exit either chose not to carry out the logical delete, or was not enabled.

41. A DFSMSdss non-BWO backup is in progress for the data set. The backout will be automatically retried when the backup completes.

B0. A deadlock was detected. This can only happen for files opened in non-RLS mode. Since this is a transient condition, you should just retry the backout using SET DSNAME RETRY.

C0. A failure of the VSAM RLS server was detected by this request. The backout is automatically retried when the server becomes available again.

C1. VSAM RLS access is disabled because the server is unavailable. The backout is automatically retried when the server becomes available again.

C2. The VSAM RLS server has recycled (failed and restarted) whilst a record was being backed out. This is a very rare occurrence since the failure and restart must have taken place after the record to be backed out was read for update, and before it was rewritten or deleted. A retry of the backout should be successful, but because the server has already become available, backout will not be automatically retried. You should use SET DSNAME RETRY to drive backout retry.

C3. The VSAM RLS cache structure to which the data set was bound has either failed or has lost connectivity, and VSAM has been unable either to rebuild the failed cache structure, or to bind the data set to an alternative cache structure in the cache set. The backout is automatically retried when the cache structure becomes available again.

C4. VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. Allocate a larger lock structure, rebuild into it and retry the backout using set dsname retry. See z/OS MVS Setting Up a Sysplex, z/OS DFSMS Storage Administration Reference, and z/OS DFSMSdfp Utilities for further information on how to allocate, and build into, larger lock structures.
DFHFC4702 • DFHFC4801

F0  There was no space to add another alternate
    key value to a non-unique alternate index. You
    should rebuild the data set with a larger
    alternate index data CI size (unless you are
    already at the maximum), and then retry the
    backout using SET DSNAME RETRY. If you
    accessed the file in RLS mode, there are extra
    steps required to ensure that the retained locks
    remain associated with the data set. These are
    explained in the CICS Recovery and Restart
    Guide. Do not forward recover the data set.

FB  An error occurred when opening the file for
    backout. Determine why the file would not
    open, and if it is possible to correct it, do so
    and then issue SET DSNAME RETRY to retry
    the backout. If the error occurred because the
    data set was quiesced, the backout is
    automatically retried when the data set is
    unquiesced. If the error occurred because the
    VSAM RLS server was not available, the
    backout is automatically retried when it
    becomes available again.

FE  An error occurred which is not expected to be
    possible during backout. An exception trace
    point is written, message DFHFC700 is issued
    and a system dump is taken. Use these to
    determine the cause of the error. It might be
    worth retrying the backout, using SET
    DSNAME RETRY, since the problem could
    have been some transient condition which has
    since cleared.

Module:  DFHFCRC
XMEOUT Parameters: date, time, applid, tranid, filename,
    X‘local_uowid’, task_number, base_dsname, path_dsname,
    X’fbfail_code’
Destination:  Console and Transient Data Queue CSFL

DFHFC4702  date time applid  Backout failed for
    transaction tranid, BDAM file filename,
    unit of work X‘local_uowid’, task
    task_number.

Explanation:  File backout has been unable to backout
    an uncommitted change made to a BDAM data set via
    file filename, that was made by the unit of work
    local_uowid.

The change that is being backed out was originally
    made by task task_number servicing transaction code
    tranid, running under the unit of work local_uowid.
    However, if this backout is being attempted after
    waiting for an indoubt situation to be resolved, the
    current task number will be different from the original
    one given in the message, and transaction code will be
    different from the original one if the transaction has
    been disabled.

System action:  The system continues normally.
Back out of the unit of work continues, and any

further failures to backout changes made to this BDAM
    data set result in the message being reissuued.

Unless a program invoked at the backout failure exit
    point, XFCBFAIL, took some action to prevent it, it is
    possible for other work to continue to access the
    BDAM data set, but data integrity is compromised
    because the changes have not been backed out.

User response:  Unless you are prepared to continue
    using the data set in spite of the loss of data integrity,
    you should take some action to correct matters, such as
    closing all files that are using the data set and backing
    out the uncommitted changes offline.

One possible cause of a BDAM backout failure is that a
    logical delete could not be performed because the
    XFCLDEL exit either chose not to carry out the logical
    delete or was not enabled. If this is the case then you
    may want to ensure that a suitable exit program is
    enabled at the XFCLDEL exit point, so that any future
    attempts at backing out writes made to BDAM data
    sets will succeed.

Module:  DFHFCRC
XMEOUT Parameters: date, time, applid, tranid, filename,
    X‘local_uowid’, task_number
Destination:  Console and Transient Data Queue CSFL

DFHFC4800  date time applid  A failure has been
    detected on forward recovery log stream
    log_stream. The associated RLS data set
    has been quiesced. Data set dsname

Explanation:  The logger domain has detected an error
    on the forward recovery log stream log_stream. As
    a result, the associated RLS data set dsname cannot safely
    continue to be used.

System action:  Processing continues. The RLS data set
    dsname has been quiesced.

User response:  First, take a backup of the data set to
    establish a new forward recovery point. You can then
    correct the problem causing the log stream failure,
    delete and redefine the failed MVS log stream, and
    unquiesce the data set to reallow RLS access.

Module:  DFHFCLF
XMEOUT Parameters: date, time, applid, log_stream,
    dsname
Destination:  Console and Transient Data Queue CSFL

DFHFC4801  date time applid  A failure has been
    detected on forward recovery log stream
    log_stream. The associated non-RLS data
    set has been set unavailable and its files
    closed. Data set dsname

Explanation:  The logger domain has detected an error
    on the forward recovery log stream log_stream. As a
result, the associated non-RLS data set `dsname` cannot safely continue to be used.

**System action:** Processing continues. The data set `dsname` has been set unavailable and all files associated with it have been closed.

**User response:** First, take a backup of the data set to establish a new forward recovery point. Then, having corrected the problem which caused the log stream failure, you can delete and redefine the failed MVS log stream. If the name of the forward recovery log stream for the data set is held in the VSAM catalog, you can now make the data set available again using SET DSNAME AVAILABLE. If the name of the forward recovery log stream for the data set is held in the file definition, you must issue SET JOURNALNAME RESET for the forward recovery log before making the data set available again using SET DSNAME AVAILABLE.

**Module:** DFHFCLF
**XMEOUT Parameters:** `date`, `time`, `applid`, `log_stream`, `dsname`
**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC4802**  
`date` `time` `applid` A failure has been detected on auto journal `journal_name`. The associated file `file_name` has been closed.

**Explanation:** The logger domain has detected an error on the automatic journal `journal_name`. As a result, the automatic journal is no longer reliable.

**System action:** The associated file `filename` has been set closed.

**User response:** The appropriate action depends on how you use the automatic journal, and on whether you can tolerate missing information.

If you require a complete automatic journal with no missing information, you need to take some action to establish a new start point for the automatic journal. You can then correct the error causing the log stream failure, delete and redefine the log stream, issue SET JOURNALNAME RESET, and reopen the file.

If you do not require a complete automatic journal, if the log stream is still writeable, you can issue SET JOURNALNAME RESET, open the file, and continue autojournalling to the same journal. A message preceding this one reports details of the log stream failure.

**Module:** DFHFCLF
**XMEOUT Parameters:** `date`, `time`, `applid`, `journal_name`, `dsname`
**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC5801A** `applid` File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be restored and forward recovered. Data set 'dsname'.

**Explanation:** CICS has rejected a file open for the VSAM base data set `dsname`. This base data set could not be opened because the integrated catalog facility (ICF) catalog backup while open (BWO) flags indicated a corrupted data set.

This message is accompanied by message DFHFC5806 which includes the name of the file involved in the OPEN failure.

**System action:** The file open for data set `dsname` fails. CICS continues processing but the file is closed and its state is set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** Carry out the following procedure

1. If a BWO copy of this VSAM data set is available
   a. Restore the BWO copy of this data set via DFHSM and/or DFDSS.
   b. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. If no BWO copy of this base data set exists but a normal quiesced copy does, apply the forward recovery logs to the data set in the normal way to bring the data set to a point of consistency.
3. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.
4. Rename the data set to that of the original data set prior to the failure.
5. Make the data set available.

Some log-apply utilities, such as CICS VSAM Recovery MVS/ESA (CICSVR MVS/ESA) Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

**Module:** DFHCAT
**XMEOUT Parameters:** `applid`, `dsname`
**Destination:** Console

---

**DFHFC5802A** `applid` File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be forward recovered. Data set 'dsname'.

**Explanation:** CICS has rejected a file open for the VSAM base data set `dsname`. This base data set could not be opened because the ICF catalog backup while
open (BWO) flags indicated that the data set was back-level and needed to be forward recovered. This failure occurs if a BWO of a VSAM base data set is restored but not forward recovered. This message is accompanied by DFHFC5806 which includes the name of the file involved in the OPEN failure.

**System action:** The file open for data set dsname fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** Carry out the following procedure
1. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.

Some log-apply utilities, such as CICS VSAM Recovery (CICSVR), set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

**Module:** DFHFCAT

**XMEOUT Parameters:** applid, dsname

**Destination:** Console

---

**DFHFC5803**

applid A severe error (code X'code') has occurred while inquiring/setting VSAM data set BWO attributes. Data set 'dsname' Return Code X'xxxxxxxx' Reason Code X'yyyyyyyyy' Prob Det X'zzzzzzzzzzzzzzzz'.

**Explanation:** A severe error has been detected in DFHFCAT while inquiring or setting ICF catalog backup while open (BWO) attributes of base data set dsname. The error code is the exception trace point ID which uniquely identifies the call which has failed. The code X'code' can take the following values

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0B57'</td>
<td>A call to MVS/DFP Callable Services to inquire if a data set is known to a SMS sub-system has failed</td>
</tr>
<tr>
<td>X'0B59'</td>
<td>A call to MVS/DFP Callable Services to update the BWO flags to a forward recovered state for a data set has failed</td>
</tr>
<tr>
<td>X'0B5A'</td>
<td>A call to MVS/DFP Callable Services to update the recovery point for a data set has failed</td>
</tr>
</tbody>
</table>

**X'0B5B'**

A call to MVS/DFP Callable Services to update the BWO flags to a BWO disabled state for a data set has failed

**X'0B5C'**

A call to MVS/DFP Callable Services to inquire if the BWO flags for a data set were in a BWO enabled state has failed

**X'0B5D'**

A call to MVS/DFP Callable Services to update the BWO flags to a BWO enabled state for a data set has failed.

For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

The values xxxxxxxxx, yyyyyyyyy and zzzzzzzzzzzzzzzzz are the BWO return code, reason code and problem determination code from the MVS/DFP Callable Services Interface call to update/inquire the ICF catalog BWO attributes.

This message is accompanied by message DFHFC5806 when a file open failure occurs or by message DFHFC5810 when a file close failure occurs.

**System action:** CICS makes an exception trace point entry and issues this message. No system dump is taken. The actions taken depend on the operation in progress at the time of the error.

If the error occurs while opening a file, the open request fails, the file is closed, and its state is set to UNENABLED.

If the error occurs while closing a file, the status of the file is unchanged.

If the error occurs during activity keypoint when updating the recovery point, CICS tries to update the recovery point on the next activity keypoint that creates a keypoint directory element (KPDE).

If the error occurs while setting the data set RECOVERED via CEMT or EXEC CICS commands, a non-OK response is returned.

**User response:** Use the return code, reason code and problem determination code to determine why the call to MVS/DFP Callable Services has failed. For further information see MVS/DFP Callable Services in the MVS/DFP V3.2 System Programming Reference.

Ensure that the appropriate level of MVS/DFP is installed on the processor where CICS is running. Also ensure that the data set is SMS managed and known to the SMS subsystem.

**Module:** DFHFCAT

**XMEOUT Parameters:** applid, X'code', dsname, X'xxxxxxxx', X'yyyyyyyyy', X'zzzzzzzzzzzzzzzz'

**Destination:** Console
DFHFC5804 \textit{applid} File CLOSE failed during CICS termination. File 'filename'.

\textbf{Explanation:} An attempt to close file \textit{filename} during orderly CICS termination has failed. This message is produced only as a warning that this file could not be closed. Data integrity has been maintained.

\textbf{System action:} CICS termination continues.

If this file was open against a base data set open for update with BACKUPTYPE=DYNAMIC specified, one of the following messages is issued on the first open for update for this base data set in the next CICS run:

\begin{itemize}
  \item DFHFC5807
  \item DFHFC5808
  \item DFHFC5809.
\end{itemize}

\textbf{User response:} In order to avoid repetition of this failure, try to determine why the file was not closed from any other DFHFCxxxx messages produced during termination.

\textbf{Module:} DFHFCSD

\textbf{XMEOUT Parameters:} \textit{applid}, \textit{filename}

\textbf{Destination:} Console

DFHFC5805 \textit{applid} File OPEN failed. RECOVERY attributes of VSAM data set are not valid. File 'filename' data set 'dsname'.

\textbf{Explanation:} The file \textit{filename} is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). An attempt to open this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), has failed because CICS has detected that the RECOVERY attributes have not been validated for the VSAM base data set \textit{dsname}. A data set cannot be defined with BACKUPTYPE=DYNAMIC without RECOVERY=ALL specified.

\textbf{System action:} The file open for data set \textit{dsname} fails. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

\textbf{User response:} This is probably caused by a logic error in CICS. You should, however, check if there are any other DFHFCxxxx messages that indicate the cause of the error.

\textbf{Module:} DFHFCFS

\textbf{XMEOUT Parameters:} \textit{applid}, \textit{filename}, \textit{dsname}

\textbf{Destination:} Console

DFHFC5806 \textit{applid} File OPEN failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File 'filename' data set 'dsname'.

\textbf{Explanation:} An attempt to open file \textit{filename} has failed due to the failure of a call to MVS/DFP Callable Services or due to an invalid state returned from a call to MVS/DFP Callable Services for the VSAM base data set \textit{dsname}. This message is accompanied by one of the following messages depending on the type of error being reported:

\begin{itemize}
  \item DFHFC0002
  \item DFHFC5801
  \item DFHFC5802
  \item DFHFC5803
\end{itemize}

\textbf{System action:} CICS fails the file open request for data set \textit{dsname}. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

\textbf{User response:} See the accompanying message for the appropriate action to take in resolving this error.

\textbf{Module:} DFHFCFS

\textbf{XMEOUT Parameters:} \textit{applid}, \textit{filename}, \textit{dsname}

\textbf{Destination:} Console

DFHFC5807 \textit{applid} File OPEN failed. BACKUPTYPE attributes conflict with those currently defined for the VSAM data set. File 'filename' data set 'dsname'.

\textbf{Explanation:} An attempt to open file \textit{filename} for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set \textit{dsname} has failed. This is because CICS has detected an attribute conflict between the opening CICS resource definition and the base data set's DSNB which was already opened for update. A FILE resource definition with a BACKUPTYPE=STATIC cannot be opened against a DSNB which already has or had a FILE resource definition opened against it with BACKUPTYPE=DYNAMIC. Similarly, a FILE resource definition with a BACKUPTYPE=DYNAMIC cannot be opened against a DSNB which already has or had a resource definition opened against it with BACKUPTYPE=STATIC. cannot change BACKUPTYPE midway through a CICS run. In order to do this, you must destroy the DSNB and create a new one. There are three ways of doing this:

\begin{itemize}
  \item CEMT SET DSNNAME REMOVE
  \item EXEC CICS SET DSNNAME REMOVE
  \item Terminate CICS and restart with a cold start.
\end{itemize}

If you respecify a DSNB with BACKUPTYPE=DYNAMIC, where previously it was specified with RECOVERY=NONE or BACKOUTONLY and BACKUPTYPE=STATIC, no forward recovery logging exists for the time that the DSNB had RECOVERY=NONE or BACKOUTONLY specified. Therefore you should take a backup copy of the data set before the change. This ensures that the data set can be recovered to a consistent point should a failure occur.

\textbf{System action:} The file open for data set \textit{dsname} fails.
CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response:** Determine the correct values for the BACKUPTYPE and RECOVERY attributes, and if necessary, modify the resource definition for the file. Alternatively, remove the old DSNB as already described and reattempt the open.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

**Destination:** Console

---

**DFHFC5808 applid** File OPEN warning. VSAM data set already set eligible for BWO on first open for update. File 'filename' data set 'dsname'.

**Explanation:** The file `filename` is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). While opening this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname`, CICS detected that the ICF catalog has already defined this base data set as eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

**System action:** CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

**User response:** Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

**Destination:** Console

---

**DFHFC5810 applid** File CLOSE failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File 'filename' data set 'dsname'.

**Explanation:** An attempt to close file `filename` has failed because of the failure of a call to MVS/DFP Callable Services for the VSAM base data set `dsname`. This file is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC), and is open for update processing, (SERVREQ=ADD, DELETE or UPDATE set). This message is accompanied by message DFHFC5803 or DFHFC0002, depending on the type of error reported.

**System action:** The file close request for data set `dsname` fails. Processing continues and the file remains open.

**User response:** See the accompanying message for the appropriate action to take in resolving this error.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

**Destination:** Console

---

**DFHFC5809 applid** File OPEN warning. BACKUPTYPE attributes conflict with BWO values defined in ICF catalog. BWO values have been updated. File 'filename' data set 'dsname'.

**Explanation:** The file `filename` is defined as not eligible for backup while open for update (BACKUPTYPE=STATIC). While opening this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname`, CICS detected that the BWO flags in the ICF catalog already defined this base data set as eligible for BWO. However, the CICS resource definition and the DSNB define the base data set as not eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

This situation is likely to arise if CICS fails to close a file that is defined with BACKUPTYPE=DYNAMIC, during CICS termination and the file is redefined with BACKUPTYPE=STATIC on a subsequent CICS run.

**System action:** CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

**User response:** Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

**Destination:** Console
DFHFC5811 applid File OPEN warning.
BACKUPTYPE=DYNAMIC attribute has been ignored. File 'filename' data set 'dsname'.

Explanation: The file filename is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). During an attempt to open this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set dsname, either

- CICS has detected that the appropriate levels of software needed for VSAM backup while open (BWO) support have not been installed, or
- The appropriate MVS/DFP Callable Services modules could not be loaded.

System action: CICS ignores the BACKUPTYPE=DYNAMIC parameter and continues as if STATIC were specified. File open processing continues.

User response: If BWO support is required, ensure that the appropriate level of MVS/DFP Callable Services is installed. If BWO support is not required, ensure that the file is defined with the BACKUPTYPE=STATIC attribute.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

Destination: Console

DFHFC5812 applid File OPEN warning.
BACKUPTYPE=DYNAMIC has been ignored for VSAM AIX data set.
STATIC has been defaulted. File filename data set dsname.

Explanation: The file filename is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). This file is opening against the data set dsname which is a VSAM AIX. BACKUPTYPE=DYNAMIC is not a valid option for a VSAM AIX. BACKUPTYPE=STATIC has been defaulted.

System action: File open processing continues.

User response: Redefine this file via CEDA, specifying BACKUPTYPE=STATIC.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

Destination: Console

DFHFC5813 applid File OPEN warning. Level of {DFHSM | DFDSS | DFHSM and DFDSS} does not support BWO.

Explanation: You have opened a VSAM file for update and requested backup while open (BWO) support by specifying BACKUPTYPE=DYNAMIC in the resource definition. However, CICS has detected that the software release level of DFHSM and/or DFDSS required for BWO support has not been installed on the processor on which CICS is running.

This message is issued once for the first file to open for update and be defined as eligible for BWO after a cold or initial start.

System action: CICS file open processing continues. If the file open completes without error, the file is defined as eligible for BWO. However, no BWO backup facilities are available using DFHSM and/or DFDSS on the processor on which CICS is running.

User response: Ensure that DFHSM and/or DFDSS, both of version 2.5.0 or later, are installed on the processor on which the BWO backup is to be made. DFSMS/MVS 1.1 (DFSMShsm and DFMSDss) supersedes DFHSM 2.5 and DFDSS 2.5.

Module: DFHFCAT

XMEOUT Parameters: applid, {1=DFHSM, 2=DFDSS, 3=DFHSM and DFDSS}

Destination: Console

DFHFC5814 applid An error (code X'code') has occurred while inquiring on VSAM data set attributes in the ICF catalog. {SHOWCAT | LOCATE} return code X'rrrr'. Data set dsname.

Explanation: While reading the ICF catalog to obtain attributes of data set dsname, CICS received return code rrrr from a VSAM SHOWCAT or LOCATE macro or detected an associated error. The error code code is the exception trace which uniquely identifies the error. It can take the following values

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'237A'</td>
<td>SHOWCAT for the data set failed with return code rrrr.</td>
</tr>
<tr>
<td>X'237B'</td>
<td>In the VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.</td>
</tr>
<tr>
<td>X'237C'</td>
<td>SHOWCAT for the AIX of a path failed with return code rrrr.</td>
</tr>
</tbody>
</table>
The VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.

LOCATE for the data set failed with return code rrrr.

For further information about CICS exception trace entries, see the CICS Diagnosis Reference.

System action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Use the SHOWCAT or LOCATE return code if present to determine the cause of the problem. For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see z/OS DFSMSdfp Utilities. A VSAM LISTCAT listing for the data set may also be useful.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCAT

XMEOUT Parameters: applid, X'rrrr', X'cccc', X'dddddddd', dsname

Destination: Console

An error has occurred while inquiring on VSAM data set attributes in the ICF catalog. VSAM RLS codes X'rrrr', X'cccc'. Problem determination: X'dddddddd'. Data set dsname.

Explanation: While reading the ICF catalog to obtain RLS attributes of data set dsname, CICS received reason code cccc from a VSAM IGWARLS macro. rrrr is the return code in register 15. dddddddd is any available VSAM problem determination information.

System action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Use the IGWARLS reason code and problem determination information to determine the cause of the problem. For the meaning of the IGWARLS reason code, see z/OS DFSMSdfp Utilities.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCAT

XMEOUT Parameters: applid, X'rrrr', X'cccc', X'dddddddd', dsname

Destination: Console

An error has occurred while inquiring on VSAM data set attributes in the ICF catalog. VSAM RLS codes X'rrrr', X'cccc'. Problem determination: X'dddddddd'. Data set dsname.

Explanation: While reading the ICF catalog to obtain RLS attributes of data set dsname, CICS received reason code cccc from a VSAM IGWARLS macro. rrrr is the return code in register 15. dddddddd is any available VSAM problem determination information.

System action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Use the IGWARLS reason code and problem determination information to determine the cause of the problem. For the meaning of the IGWARLS reason code, see z/OS DFSMSdfp Utilities.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCAT

XMEOUT Parameters: applid, X'rrrr', X'cccc', X'dddddddd', dsname

Destination: Console

Any files that are still open against the base data set may need to be closed. File filename, data set dsname.

Explanation: File filename was the first file to open a dynamically allocated data set dsname. This file is being closed leaving one or more files still open against the same base data set. However, if one of these files requires secondary extents, the request will fail with a CICS ILLOGIC error (EIBRCODE X'08BA0000).

System action: Close processing completes normally.

User response: To avoid this potential problem, you are advised to close and reopen the files that remain open against the base data set. If you are unsure of the data set associations, run a LISTCAT against the above base data set to produce a list of all associated data sets. Use CEMT INQ FILE(*) to identify which files are affected. All of these should be closed and reopened, for example, using the CEMT SET FILE(file name) CLOSE and CEMT SET FILE(file name) OPEN.

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

Destination: Console

About to {quiesce | unquiesce} data set dsname.

Explanation: This message is issued just before a request is made to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex. The quiesce or unquiesce is initiated either by an end user issuing EXEC CICS SET DSNAME QUIESCESTATE or the CEMT equivalent, or internally by CICS.

System action: The data set is quiesced or unquiesced, as indicated in the message.

User response: None.

Module: DFHFCQS

XMEOUT Parameters: date, time,applid, {1=quiesce, 2=unquiesce}, dsname

Destination: CSFL
**DFHFC6001**

*date applid* Data set successfully {quiesced | unquiesced} by {CICS | user}.

**Data set dsname**

**Explanation:** A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex has been successfully completed.

**System action:** CICS processing continues. The quiesce state of the data set in the ICF catalog is set to quiesced or unquiesced, as indicated in the message.

**User response:** None.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=quiesced, 2=unquiesced}, {1=CICS, 2=user}, dsname

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6003**

*date applid* Attempt by {CICS | user} to {quiesce | unquiesce} a data set has been rejected because {quiesce | unquiesce | non-BWO backup | BWO backup | unknown event} is in progress. Data set dsname

**Explanation:** This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex was rejected because a conflicting data set operation is in progress for that data set. The conflicting operation is specified in the message.

**System action:** CICS processing continues. The quiesce state of the data set in the ICF catalog remains unchanged.

**User response:** Wait for the conflicting data set operation to complete then retry the quiecese or unquiesce using EXEC CICS SET DSNAME or the CEMT equivalent.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce, 3=non-BWO backup, 4=BWO backup, 5=unknown event}, dsname

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6005**

*date applid* Attempt by {CICS | user} to quiesce a data set has failed. Quiesce was cancelled. Data set dsname

**Explanation:** A request to VSAM RLS to quiesce base data set dsname throughout the sysplex has been cancelled by a participating CICS region. The CICS region could be any CICS in the sysplex. The quiesce was cancelled for one of the following reasons.

- User code at global exit XFCVSDS suppressed the quiesce
- User code at global exit XFCSREQ suppressed the close of a file that is open against the data set
- The quiesce would not complete and was timed out

A preceding console message in the sysplex indicates the reason. For XFCVSDS the message is DFHFC6023. For XFCSREQ the message is DFHFC6024. For timeout the message is DFHFC6020. If there is no preceding message, EXEC CICS SET DSNAME UNQUIESCED has been used.

**System action:** CICS processing continues. The quiesce state of the data set in the ICF catalog is set to unquiesced as a result of the cancel.

**User response:** The response depends on the reason for the cancellation. If a preceding message was issued, refer to the explanation for that message for background information.

If EXEC CICS SET DSNAME UNQUIESCED was the reason, determine what the desired quiesce state should really be. If it should be quiesced, issue an EXEC CICS SET DSNAME QUIESCED command or the CEMT equivalent.

If an exit suppressed the quiesce, the user code at XFCVSDS or XFCSREQ must be disabled on all CICS regions in the sysplex before the data set can be quiesced.

If the quiesce timed out, retry the quiesce using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the timeout occurs again, consider using EXEC CICS SET DSNAME IMMQUIESCED or the CEMT equivalent. This force-purges transactions accessing the data set, thereby speeding up the closing of files. Alternatively, attempt to identify any long-running transactions that are using the data set, and terminate them.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, dsname

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6007**

*date applid* Attempt by {CICS | user} to {quiesce | unquiesce} a data set failed because the SMSVSAM server is not available. Data set dsname

**Explanation:** A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex has failed because the SMSVSAM server address space is not available.

**System action:** CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.
The quiesce state of the data set in the ICF catalog is unpredictable.

**User response:** The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then issue an EXEC CICS SET DSNAME command or the CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname

**Destination:** Console and Transient Data Queue CSFL

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**DFHFC6008**  
**date time applid**  
**Attempt by {CICS | user}**  
**to {quiesce | unquiesce} a data set has failed. VSAM RLS codes X'rrrr', X'cccc'.**  
**Data set dsname**

**Explanation:** This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code cccc. rrrr is the return code in register 15.

**System action:** CICS processing continues after taking a system dump with dumpcode FC6008. The quiesce state of the data set in the ICF catalog is unpredictable.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the z/OS DFSMSdfp Utilities.

When the problem has been resolved, issue an EXEC CICS SET DSNAME command or CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, X’rrrr’, X’cccc’, dsname

**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC6009**  
**date time applid**  
**Attempt by {CICS | user}**  
**to {quiesce | unquiesce} a data set has failed because a VSAM data set could not be located dsname**

**Explanation:** A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed because dsname could not be located.

**System action:** CICS processing continues.

**User response:** Investigate associated error messages to find the cause of the problem, then retry quiesce or unquiesce.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname

**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC6010**  
**date time applid**  
**Attempt by {CICS | user}**  
**to {quiesce | unquiesce} a data set has failed because it has been migrated. Data set dsname**

**Explanation:** A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed because dsname has been migrated. The data set must be recalled before the quiesce or unquiesce can take place.

**System action:** CICS processing continues.

**User response:** Recall the data set and retry the quiesce or unquiesce.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname

**Destination:** Console and Transient Data Queue CSFL

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**DFHFC6015**  
**date time applid**  
**About to cancel {non-BWO | BWO} backup of data set dsname**

**Explanation:** A request is about to be made to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set dsname. This is performed in response to user code at global exit XFCVSDS suppressing the backup.

The message indicates whether the backup is BWO or non-BWO.

**System action:** The backup is cancelled throughout the sysplex.

**User response:** None.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, {1=non-BWO, 2=BWO}, dsname

**Destination:** CSFL
DFHFC6016  date time applid (Non-BWO | BWO)
backup of a data set cancelled by CICS.
Data set dsname

Explanation: A request to VSAM RLS to cancel a
DFSMsdss-initiated backup for base data set dsname
has been successful.

System action: CICS continues processing. The BWO
or non-BWO backup is cancelled throughout the
sysplex.

User response: None.

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=Non-BWO,
2=BWO}, dsname

Destination: Console and Transient Data Queue CSFL

DFHFC6017  date time applid Attempt by CICS to
cancel a (non-BWO | BWO) backup of a
data set has been rejected because a
cancel is already underway. Data set
dsname

Explanation: A request to VSAM RLS to cancel a
DFSMsdss-initiated backup for base data set dsname
has been rejected because another cancel is already
underway.

System action: CICS processing continues. The BWO
or non-BWO backup is cancelled throughout the
sysplex by the other cancel request.

User response: None.

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=Non-BWO,
2=BWO}, dsname

Destination: Console and Transient Data Queue CSFL

DFHFC6018  date time applid Attempt by CICS to
cancel a (non-BWO | BWO) backup of a
data set failed because the SMSVSAM
server is not available. Data set dsname

Explanation: A request to VSAM RLS to cancel a
DFSMsdss-initiated backup for base data set dsname
failed because the SMSVSAM server address space was
not available.

System action: CICS processing continues. The
SMSVSAM server address space should attempt to
restart automatically.

User response: The SMSVSAM server address space
should normally restart itself. If it does not, restart the
SMSVSAM server address space manually. Then use
DFSMsdss to retry the backup if it failed.

If the SMSVSAM server address space fails to restart, a
more severe error is indicated. In this case, you will
need assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=non-BWO,
2=BWO}, dsname

Destination: Console and Transient Data Queue CSFL

DFHFC6019  date time applid Attempt by CICS to
cancel a (non-BWO | BWO) backup of a
data set has failed. VSAM RLS codes
X’rrrr’, X’cccc’. Data set dsname

Explanation: A request to VSAM RLS to cancel a
DFSMsdss-initiated backup for base data set dsname
has failed with an unexpected error. The VSAM
IDAQUIES macro failed with reason code cccc. rrrr is
the return code in register 15.

System action: CICS processing continues after taking
a system dump with dumpcode FC6019. The BWO or
non-BWO backup is not cancelled.

Message DFHME0116 should be produced containing
the symptom string for this problem.

User response: Use the IDAQUIES reason code to
determine the cause of the problem. For the meaning of
the IDAQUIES reason code, see the z/OS DFSMsdpp
Diagnosis Reference.

If you cannot resolve the problem, or the problem
recurs, a more severe error is indicated. In this case,
you will assistance from IBM. See Part 4 of the CICS
Problem Determination Guide for guidance on how to
proceed.

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=non-BWO,
2=BWO}, X’rrrr’, X’cccc’, dsname

Destination: Console and Transient Data Queue CSFL

DFHFC6020  date time applid Timeout has occurred
while quiescing a data set. Quiesce will
be cancelled. Data set dsname

Explanation: The request made to VSAM RLS to
quiesce base data set dsname throughout the sysplex
has timed out. The timeout limit is given by the system
initialization parameter QUIESTIM.

This is probably due to the presence of long-running
transactions on a participating CICS region failing to
reach syncpoint, and therefore preventing the close of
files open against the data set.

System action: CICS cancels the quiesce throughout
the sysplex by issuing an unquiesce for the data set.
Depending upon the timing of the unquiesce request, one of two situations can result:

1. Normally the unquiesce is processed immediately and the quiesce request is canceled by VSAM. In this case, message DFHFC6020 is followed by messages DFHFC6000 and DFHFC6001 for the unquiesce completing.

2. Occasionally, depending on the timing of the unquiesce, the original quiesce request completes before the unquiesce request has been processed. Because the unquiesce cannot be canceled, it completes thereby canceling the original quiesce. In this case, message DFHFC6020 is followed by messages DFHFC6000, DFHFC6027, a DFHFC6001 for the quiesce completing, and another DFHFC6001 for the unquiesce completing.

**User response:** If timeouts occur regularly, the following action can be taken to resolve the problem:

- Increase the QUIESTIM SIT value. This can be useful if the system is particularly busy when quiesces are likely to be issued.
- Change the long-running transaction which is holding up the request. Note that the transaction can be on any CICS in the sysplex.

The SET DSNAME IMMQUIESCED command can be used to force purge any transaction and quiesce the data set. This should not be used regularly because force purges can occasionally abend CICS. The messages issued as part of the force purge enable the system programmer to identify the long-running transaction if no other method is available.

See also the Explanation of message DFHFC6005 for guidance.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, dsname

**Destination:** Console and Transient Data Queue CSFL

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**DFHFC6021**

* date time applid An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. VSAM RLS codes X’rrrr’, X’cccc’. Data set dsname

**Explanation:** An unexpected error occurred when CICS notified VSAM RLS that it had completed its processing for a data set quiesce, or for a BWO or non-BWO backup. The VSAM IDAQUIES macro failed with reason code ccc. rrrr is the return code in register 15.

**System action:** CICS processing continues after taking a system dump is taken with dumpcode FC6021. The failure of the IDAQUIES macro may cause the data set operation to timeout or fail.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the z/OS DFSMSdfp Utilities.

If the data set operation has failed, retry the data set operation once the problem has been resolved.

If you cannot resolve the problem, or the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCQI

**XMEOUT Parameters:** date, time, applid, X’rrrr’, X’cccc’, dsname

**Destination:** Console and Transient Data Queue CSFL

---

**DFHFC6022**

* STORAGE OBTAIN macro failure in CICS RLS quiesce exit. MVS code X’rrrr’

**Explanation:** The CICS RLS quiesce exit was driven by VSAM RLS to process a data set operation request. An attempt was made to get storage for the request but the STORAGE OBTAIN macro failed. rrrr is the return code in register 15.

**System action:** The CICS RLS quiesce exit writes a GTF trace entry. The request is not processed by CICS. The data set operation continues throughout the sysplex.

**User response:** Use the return code to determine the cause of the problem, then refer to the Explanation of message DFHFC6030 for guidance. For the meaning of the return code, refer to the z/OS MVS System Commands manual.

**Module:** DFHFCQX

**Destination:** Console

---

**DFHFC6023**

* date time applid The quiesce of a data set has been suppressed by user exit XFCVSDS. Quiesce will be cancelled. Data set dsname

**Explanation:** User code at global exit XFCVSDS has suppressed a quiesce for base data set dsname.

**System action:** CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

**User response:** See the Explanation of message DFHFC6005 for guidance.

**Module:** DFHFCQU

**XMEOUT Parameters:** date, time, applid, dsname

**Destination:** Console and Transient Data Queue CSFL
DFHFC6024  *date time applid* The quiesce of a data set has been suppressed by user exit XFCREQ. Quiesce will be cancelled.  
*Data set dsname*

**Explanation:** User code at global exit XFCREQ has suppressed the close of a file open against base data set dsname. The file was being closed because the data set was being quiesced.

**System action:** CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

**User response:** See the Explanation of message DFHFC6005 for guidance.

**Module:** DFHFCFS  
**XMEOUT Parameters:** date, time,applid, dsname  
**Destination:** Console and Transient Data Queue CSFL

DFHFC6025  *date time applid* [Non-BWO] BWO backup of a data set has been suppressed by user exit XFCVSDS. Backup will be cancelled. *Data set dsname*

**Explanation:** User code at global exit XFCVSDS has suppressed a DFSMSdss-initiated backup for base data set dsname.

**System action:** CICS cancels the backup throughout the sysplex.

**User response:** If the backup must take place, before it can succeed the user code at XFCVSDS must be disabled on all CICS regions in the sysplex.

**Module:** DFHFCQI  
**XMEOUT Parameters:** date, time,applid, dsname  
**Destination:** Console and Transient Data Queue CSFL

DFHFC6026  *date time applid* An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. The SMSVSAM server is not available. *Data set dsname*

**Explanation:** CICS has notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup.

**System action:** CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

**User response:** None.

**Module:** DFHFCQI  
**XMEOUT Parameters:** date, time,applid, dsname  
**Destination:** CSFL

DFHFC6027  *date time applid* VSAM RLS has been notified of the completion of CICS processing for a quiesce or backup of *data set dsname*

**Explanation:** CICS has successfully notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup.

**System action:** CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

**User response:** None.

**Module:** DFHFCQI  
**XMEOUT Parameters:** date, time,applid, dsname  
**Destination:** CSFL

DFHFC6028  *date time applid* File Control RLS quiesce system transaction *transid* has started.

**Explanation:** CICS system transaction CFQS or CFQR has started successfully.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System action:** CICS processing continues.

**User response:** None.

**Module:** DFHFCQT  
**XMEOUT Parameters:** date, time,applid, transid  
**Destination:** CSFL

DFHFC6029  *date time applid* File Control RLS quiesce system transaction *transid* has failed. Reattach will be attempted.

**Explanation:** CICS system transaction CFQS or CFQR has failed due to a serious error. An attempt will be made to reattach the transaction transid.
A preceding message should indicate the cause of the error.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System action:** The transaction is reattached and CICS processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of the transaction was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCQT

**XMEOUT Parameters:** date, time, applid, transid

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6030**

```
date time applid The CICS RLS quiesce exit was unable to process data set operation request 'X'type'' for [data set | cache] name
```

**Explanation:** The CICS RLS quiesce exit was driven by VSAM RLS to process data set operation request `type` for data set or cache `name`, but encountered a severe error and was unable to process the request. The error is normally caused by a STORAGE OBTAIN macro failure.

A preceding console message (normally DFHFC6022) gives more information about the error.

This message is issued by DFHFCQR on behalf of the CICS RLS quiesce exit DFHFCQX. The CICS RLS quiesce exit is used by VSAM RLS to notify CICS that processing is required for the following data set related operations. The number corresponds to `type` in the message.

- 01 The quiesce of a data set
- 02 The unquiesce of a data set
- 03 The start of a DFSMSdss non-BWO backup
- 04 The end of a DFSMSdss non-BWO backup
- 05 The start of a DFSMSdss BWO backup
- 06 The end of a DFSMSdss BWO backup
- 07 The recovery of lost locks for a data set
- 08 The completion of forward recovery for a data set
- 09 The recovery of a coupling facility cache structure.

**System action:** CICS continues after taking a system dump with dumpcode FC6030. The data set operation request is **not** processed by CICS.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Referring to the preceding console message, attempt to determine the cause of the problem.

Because CICS could not process the request, this might invalidate later processing. For example, if the request was for the quiesce of a data set, open files against the data set must be closed manually, or the quiesce retried using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the request was in connection with a BWO or non-BWO backup, the backup may be invalid and should be discarded.

If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHFCQR

**XMEOUT Parameters:** date, time, applid, `X'type'`, `{1=data set, 2=cache}`, name

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6031**

```
date time applid Attempt by [CICS | user] to process data set operation request [quiesce | unquiesce] for base data set dsname failed because the SMSVSAM server detected an internal error. Data set dsname
```

**Explanation:** An attempt by a user to issue a quiesce function for the base data set `dsname` failed because the SMSVSAM server detected an internal error.

**System action:** CICS continues processing. The request is canceled throughout the sysplex.

**User response:** None.

**Module:** DFHFCQS

**XMEOUT Parameters:** date, time, applid, `{1=CICS, 2=user}`, `{1=quiesce, 2=unquiesce}`, `dsname`

**Destination:** Console and Transient Data Queue CSFL

**DFHFC6032**

```
date time applid Attempt by CICS to cancel [non-BWO | BWO] backup request failed because the SMSVSAM server detected an internal error. Data set dsname
```

**Explanation:** An attempt by CICS to cancel a backup request for the base data set `dsname` failed because the SMSVSAM server detected an internal error.

**System action:** CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.
DFHFC6033  •  DFHFC6037I

**DFHFC6033**

*date* *time* *applid* Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the SMSVSAM server detected an internal error. Data set *dsname*

Explanation: An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set *dsname* failed because the SMSVSAM server detected an internal error.

System action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User response: None.

Module: DFHFCQI

XMEOUT Parameters: *date*, *time*, *applid*, *dsname*

Destination: Console and Transient Data Queue CSFL

**DFHFC6036**

*date* *time* *applid* Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the user is not authorized to access the sphere. Data set *dsname*

Explanation: An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set *dsname* failed because the user is not authorized to access the sphere.

System action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User response: None.

Module: DFHFCQI

XMEOUT Parameters: *date*, *time*, *applid*, *dsname*

Destination: Console and Transient Data Queue CSFL

**DFHFC6034**

*date* *time* *applid* Attempt by [CICS | user] to process data set operation request [quiesce | unquiesce] failed because the user is not authorized to access the sphere. Data set *dsname*

Explanation: An attempt by a user to issue a quiesce function for the base data set *dsname* failed because the user is not authorized to access the sphere.

System action: CICS continues processing. The request is canceled throughout the sysplex.

User response: None.

Module: DFHFCQI

XMEOUT Parameters: *date*, *time*, *applid*, *dsname*

Destination: Console and Transient Data Queue CSFL

**DFHFC6037I**

*date* *time* *applid* Program program name has issued an RBA request against an extended addressing ESDS data set. File *filename*. Data set *dsname*.

Explanation: A program has issued a request using a 32-bit RBA against an extended addressing ESDS data set, which would normally be accessed by a 64-bit XRBA. The name of the file used is *filename*. The data set is *dsname*.

This message is informational.

Use of 32-bit RBAs with an extended addressing ESDS is allowed to enable existing programs to be used with extended addressing data sets. There are some limitations to what can be done by such programs because the RBA supplied is actually the low 32-bits of the 64-bit XRBA and is potentially ambiguous.

Existing programs that write records, and then subsequently browse the data set either from the beginning or the end will work. This is the normal way of using ESDS data sets.

An attempt to read a record by RBA or an attempt to start a browse at anywhere other than the beginning (RBA 0) or end (RBA -1) of the data set is unsupported and will fail.

If you do issue an unsupported RBA request you will
receive one instance of message DFHFC6038 for each file against which an unsupported request is issued.

In order to avoid flooding the system with messages, this message is only produced once per CICS run. It is possible that other programs are issuing RBA requests against other extended addressing ESDS files.

**System action:** CICS continues processing.

**User response:** None. However, you may wish to review the program to ensure that it does not use RBAs in an unsupported way. You may wish to check that you have not received any instances of message DFHFC6038.

**Module:** DFHFCVS, DFHFCRS

**XMEOUT Parameters:** date, time, applid, program name, filename, dsname

**Destination:** CSFL

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**DFHFC6038**  date time applid  Program program name has issued an unsupported type of RBA request against an extended addressing ESDS. The request has failed. File name filename. Data set name dsname.

**Explanation:** A program has issued a request using a 32-bit RBA against an extended addressing ESDS data set, which would normally be accessed by a 64-bit XRBA. The request failed. For extended addressing ESDS data sets, some types of file control commands are only supported with the XRBA keyword and are not supported with the RBA keyword.

The name of the file used is filename. The data set is dsname.

Use of 32-bit RBAs with an extended addressing ESDS is allowed to enable existing programs to be used with extended addressing data sets. There are some limitations to what can be done by such programs because the RBA supplied is actually the low 32-bits of the 64-bit XRBA and is potentially ambiguous.

The normal way of using ESDS data sets is to write records sequentially and then subsequently read the records back by a browse. This method of using an extended addressing ESDS with RBAs is supported and it should be possible to use most existing programs with an extended addressing ESDS. Programs that write records to an ESDS will work. Programs that browse the data set either from the beginning or the end will work.

However the following are not supported because they all rely on the value of the RBA.

- An attempt to read a record by RBA by a READ or READ UPDATE command.
- An attempt to start a browse (by STARTBR) at any position other than the beginning of the data set (RBA 0) or the end of the data set (RBA -1).
- An attempt to reposition a browse (by RESETBR) at any position other than the beginning of the data set (RBA 0) or the end of the data set (RBA -1).
- An attempt to change the position of the browse by changing the value of the RBA between successive READNEXT requests.
- An attempt to change the position of the browse by changing the value of the RBA between successive READPREV requests.
- An attempt to change the direction of a browse by following a READNEXT by a READPREV or by following a READPREV by a READNEXT.

In order to avoid flooding the system with messages, you will only receive one instance of message DFHFC6038 for each file against which an unsupported request is issued. It is possible that other programs are issuing unsupported RBA requests against the same file.

**System action:** CICS continues processing.

**User response:** If you do not need to store more than 4 gigabytes of data in the data set, you may be able to leave the program unchanged and convert the data set to one that does not use extended addressing. Otherwise you must change the program to use XRBA rather than RBA. When changing the program, you must change all 4-byte areas that hold RBAs into 8-byte areas to hold XRBA, as well as changing the RBA keyword to XRBA.

**Module:** DFHFCVS, DFHFCRS

**XMEOUT Parameters:** date, time, applid, program name, filename, dsname

**Destination:** CSFL

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**DFHFC6039**  date time applid  CICS has been invoked by VSAM RLS to process a reason of data set dsname.

**Explanation:** CICS has been driven by VSAM RLS to start processing for a data set quiesce, a BWO or non-BWO backup.

**System action:** CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

**User response:** None.

**Module:** XMEOUT

**Parameters:** date, time, applid, reason, dsname

**Destination:** CSFL
DFHFC6041 W  DATE TIME APPLID ATTEMPT TO UNQUIESCE DATA SET "DSNAME" FAILED DUE TO A CONFLICT WITH ANOTHER TASK.

Explanation: An attempt by CICS to unquiesce data set dsname has failed because of a conflict with another task attempting to use the same data set.

System action: CICS processing continues. The quiesce state of the data set is unpredictable.

User response: Try the unquiesce request again by issuing an EXEC CICS SET DSNAME or the CEMT equivalent command specifying the UNQUIESCE option to set the quiesce state of the data set in the ICF catalog to unquiesced.

If the problem persists, a more severe error has occurred. Change the dump table to take a system dump on this message and contact IBM for assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHFCQU
XMEOUT Parameters: date, time, applid, dsname
Destination: Console and Transient Data Queue CSFL

DFHFC7002 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because access is not allowed.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname has failed because access is not allowed. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.

System action: The table cannot be opened.

User response: Set the correct table access using RACF.

Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname
Destination: Console

DFHFC7003 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table is not currently available for access.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table is currently not available for access. The table has been set unavailable by an earlier server command. This prevents the opening of new files against this table.

System action: The table cannot be opened. CICS continues processing with the table closed and its state unenabled. Any transactions attempting to use the table will get a NOTOPEN condition.

User response: Ensure that the server command to set the table available is issued before attempting to open the file. The format of this command is MODIFY server-name,SET TABLE=name,AVAILABLE=YES|NO

Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname
Destination: Console

DFHFC7004 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table is not yet loaded.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table requires loading and is not already being loaded. The user has tried to open it for shared access. A shared access open will only succeed if the table is already being loaded or has completed loading.

System action: The table cannot be opened.

User response: Investigate why the table has not
already been loaded or started loading. Change the file definition to make this OPEN do the load if that is appropriate.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7005 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict. CICS either requests an EXCLUSIVE open (for the purposes of loading) or a SHARED open (for all other cases).

For a shared open request, this error means that the open mode which CICS has specified for this data table conflicts with the shared access mode which has been specified by an existing exclusive open for the data table. For an exclusive open request, this means that the shared access mode which CICS has specified on the open conflicts with one or more existing shared opens for the data table. CICS should not normally specify conflicting open or shared access modes.

System action: The file cannot be opened.

User response: Investigate the access modes of other opens against the data table dddd in pool poolname, using a server query, to determine whether there is an error.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7006 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of an exclusive access conflict.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname has failed because of an exclusive access conflict. Exclusive access to the data table is not available. This error can occur when CICS has requested an exclusive open in order to load the data table from a source data set, if another open already has exclusive access. The error can also occur on a request to delete a data table if there are any opens against the data table. CICS should not normally specify access modes which could result in an exclusive access conflict.

System action: The table cannot be opened.

User response: Investigate any other opens against the data table dddd in pool poolname, for example using a server query, to determine whether it is expected that access is denied.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7007 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because one or more attributes on the file definition are incompatible with those that were set for the table when it was created.

Explanation: An OPEN request naming an existing table specifies one or more attributes for the table which are not compatible with those for the existing table. The coupling facility data table server has rejected the open.

The attributes that may be incorrect are
- record length
- key length
- initial load option
- update model
- recovery status

This can also occur if the coupling facility data table server that is attempting to open the table is at a lower release level than the server which created the table, as the newer server may have set internal attributes when it created the table which are not supported by the older server.

System action: CICS fails the open.

User response: Use the coupling facility data table server DISPLAY command to view the attributes for the table and then determine whether
- the file definition for the table just opened should have its attributes changed to match the server values
- the already created table is incorrect because the file definition whose open caused the creation of the table has incorrect attributes. In this case the table should be deleted and recreated either by correcting the file definition or via a file definition which already has the correct values.

Note that this problem could occur if there has been unintentional use of the same table name in different file definitions.

When the problem has been corrected, retry the open.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console
DFHFC7010  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because recovery is not enabled.

Explanation: An attempt was made to open a
recoverable table dddd for read/write access, but the
client region has not yet issued a restart request to
enable recovery support for this pool connection.

System action: The open fails.

User response: Investigate why there has been no
restart request by checking for CICS error messages.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

Destination: Console

DFHFC7012  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because there is no space in
the pool.

Explanation: The coupling facility list structure for the
table pool has no more space available.

System action: The open fails.

User response: Investigate whether space can be freed
in the coupling facility list structure by deleting tables,
or records in tables, that are no longer required.

Alternatively, use the DISPLAY POOLSTATS command
to find if the structure is currently at its maximum size;
and if not, increase the size using the SETXCF ALTER
command.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

Destination: Console

DFHFC7013  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because the maximum
number of tables has been reached.

Explanation: A new table cannot be created because
the maximum number of tables specified when the first
server was started for the structure has been reached.

System action: The open fails.

User response: Investigate whether the number can be
increased or whether there are any tables no longer
required that could be deleted.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

Destination: Console

DFHFC7014  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because there are too many
users.

Explanation: The number of concurrent opens for
table dddd has reached the maximum supported limit
which is currently 1024. This means that there are
already 1024 files open which all reference the same
coupling facility data table in the same coupling facility
data table pool.

System action: The open fails.

User response: Investigate reducing the number of
concurrent users; that is, the number of files open
against this coupling facility data table.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

Destination: Console

DFHFC7015  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because the table has been
destroyed.

Explanation: Table dddd in pool poolname is no longer
valid. The most likely cause is that a delete request
overlapped with the current request.

System action: The open fails.

User response: Investigate whether the table was
deleted. This is not an error if the table is no longer
required. If the table is still required, it should be
recreated by opening it again.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

Destination: Console

DFHFC7018  applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because the table requires
loading.

Explanation: The OPEN of file filename has failed
because it requires the associated coupling facility data
table dddd, which resides in coupling facility data table
pool poolname, to have been pre-loaded, but the table
has not yet been loaded. Automatic loading of the data
table could not be initiated because there is no source
data set specified for this file, either in the file
definition or in the CICS startup JCL.

System action: The file cannot be opened.

User response: There are a number of possible
operational errors which might have resulted in this
failure
1. The application does not require the coupling facility data table dddd to be pre-loaded. The 'load required' parameter should be removed from the file definition for file filename.

2. The application does require the coupling facility data table dddd to be pre-loaded, but it should already have been loaded before file filename was opened.

   If this is the case, then there should be at least one file definition within the sysplex that names data table dddd in pool poolname and which specifies a source data set, or for which the source data set is supplied in the CICS startup JCL. You should issue an open for one of the files which specifies the source data set, after which an open of this file should succeed.

   You may also want to put operational procedures in place which will ensure that in future this file is only opened after the data table has been loaded. Use of the data tables load complete global user exit point, XDTLC, might be one way of achieving this.

3. The application does require the coupling facility data table dddd to be pre-loaded, and it is intended that the load should be automatically initiated by opening file filename (unless the table has already been loaded).

   A source data set name should have been specified, either in the file definition for file filename or in the CICS startup JCL as a DD card for file filename, depending on whether dynamic allocation or preallocation is required respectively.

   **Module**: DFHFCDO  
   **XMEOUT Parameters**: applid, dddd.filename, poolname  
   **Destination**: Console

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**DFHFC7019** applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table requires loading but the supplied data set is not KSDS.

**Explanation**: The OPEN of file filename has failed because it requires the associated coupling facility data table dddd, which resides in coupling facility data table pool poolname, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because the source data set specified for this file, either in the file definition or in the CICS startup JCL, is not a KSDS. Coupling facility data tables can only be loaded from VSAM KSDS data sets.

**System action**: The file cannot be opened.

**User response**: Investigate why the table was not loaded. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

**Module**: DFHFCDO  
**XMEOUT Parameters**: applid, dddd.filename, poolname  
**Destination**: Console

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**DFHFC7051** applid A request to inquire on which attributes of coupling facility data table dddd, file filename, pool poolname, are incompatible has failed because the table could not be found.

**Explanation**: Inquire for coupling facility data table dddd has failed because during the request it was found that the table could not be found. CICS File Control issued the inquire as the result of an open failure due to incompatible table attributes. The inquire was intended to provide which attributes were in error so that they could be given as part of the open failure diagnostics.

**System action**: The table open has failed due to incompatible attributes and the processing to provide more information on which attributes are incorrect has detected that the table can now not be found.

**User response**: Investigate why the table cannot be found.

**Module**: DFHFCDO  
**XMEOUT Parameters**: applid, dddd.filename, poolname  
**Destination**: Console

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**DFHFC7071** applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because access is not allowed.

**Explanation**: At the end of a coupling facility data
table load, the source data set is closed and CICS File Control requests the server to change the table access from the exclusive access that was required for loading, to a shared access. The server has indicated that the table is not available for access. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.

**System action:** Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to ‘shared’ has not occurred. The table is closed again ready for the next open attempt which will reattempt the load. The close will still get the security error, but the CICS side of close will complete.

**User response:** Investigate why the table is not available for access. Set the required table access, if possible, using RACF.

**Module:** DFHFCDO

**XMEOUT Parameters:** applid, dddd, filename, poolname

**Destination:** Console

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**DFHFC7072 • DFHFC7081**

**Explanation:** At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that it cannot process the request because of a shared access conflict.

**System action:** Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

**User response:** Investigate the access mode of other table, and what other files are open against it, to determine if there is an error. The coupling facility data table server supports commands, such as DISPLAY TABLE, which will provide you with this information.

**Module:** DFHFCDO

**XMEOUT Parameters:** applid, dddd, filename, poolname

**Destination:** Console

---

**DFHFC7079**

**Explanation:** At the end of a coupling facility data table load, the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the request has failed because the table has been destroyed.

**System action:** All requests to use the table will return the same error.

**User response:** Investigate why the table has been destroyed. If it is still required open it again so that it will be recreated and reloaded.

**Module:** DFHFCDO

**XMEOUT Parameters:** applid, dddd, filename, poolname

**Destination:** Console

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**DFHFC7081**

**Explanation:** The OPEN of coupling facility data table dddd has failed because before the call to the server to perform the actual open, CICS has found that the record length and/or keylength specified by the user on the file definition does not match that returned by
VSAM when the associated source data set was opened.

System action: The table cannot be opened.

User response: Check whether the file definition is in error or whether the wrong data set has been specified. It is not necessary to specify the parameters on the file definition if there is a source data set. Clear the parameters or make them the same as the source.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7082 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the key length or record length parameter for the source data set is inconsistent with the value already set for the table.

Explanation: The OPEN of coupling facility data table dddd has failed because the values for record length and/or key length returned for the table on the open do not match those for the source data set specified in the file definition.

System action: The table cannot be opened.

User response: Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify a source data set in the definition.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7082 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the key length or record length parameter specified on the file definition is inconsistent with that already set for the table.

Explanation: The OPEN of coupling facility data table dddd has failed because the values for record length and/or key length returned for the table on the open do not match those specified in the file definition for the table.

System action: The table is closed again.

User response: Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify record length and key length on the file definition. Attention is drawn to the mismatch rather than ignoring it in case there is an error.

Module: DFHFCDO

DFHFC7084 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table cannot be found.

Explanation: When a coupling facility data table server fails, all the files which were accessing tables in that pool are marked as requiring a re-open after connection to a new server instance. This is required so that a valid table token is obtained for the new instance. The re-open for coupling facility data table dddd for file filename, pool poolname, has failed because the table has gone away (possibly due to a failure of the coupling facility) since it was last opened for this file.

System action: The table cannot be opened. CICS closes and enables the file so that a full open can be tried later. The full open will recreate the table (unless the file definition specifies that the table must already have been recreated, in which case another file definition which specifies it is capable of recreating and loading the table must be opened first).

User response: Retry when the table is available.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd.filename, poolname

Destination: Console

DFHFC7085 applid On a request to process [OPEN \CLOSE \ EXTRACT STATISTICS] for coupling facility data table dddd for file filename, it has been found that the server for coupling facility data table pool poolname, is down. The server should be restarted.

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has to be made. Before the connect, a query is issued to check whether the server for the pool is available. The query has failed because the server is currently down.

A coupling facility data table server is a separate address space which handles all requests made to coupling facility data tables that reside in the pool which it serves.

System action: If the request is an open, CICS fails the request to the coupling facility data table.

If the request is a close, CICS can complete close processing as normal.

If the request is to extract statistics, issued while
gathering file control statistics, the request to obtain the
statistics will fail. If the request is to extract statistics,
issued as part of INQUIRE FILE processing in order to
return the current MAXNUMRECS limit, then the
INQUIRE FILE request can complete as normal, but the
MAXNUMRECS value returned may differ from the
current actual value.

New requests to coupling facility data tables which
reside in this pool will check whether the server is
available, and will attempt another connect if it is.

User response: Determine the reason for the failure.
Diagnostic messages issued by the coupling facility
data table server address space should assist you in
doing this. The most likely cause of this error is a
problem with the coupling facility. The coupling facility
data table server does not automatically restart itself, so
after you have corrected the cause of the error, you
should resubmit the job which starts the server.

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname,
{1=keylength, 2=recordsize}

Destination: Console

DFHFC7086 applid OPEN of coupling facility data
table dddd for file filename, pool poolname,
has failed because the (keylength | recordsize) of the source data set is
greater than the supported maximum.

Explanation: The OPEN of file filename, associated with coupling facility data table dddd in coupling facility data table pool poolname, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported.

For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

System action: The file is left closed.

User response: Check whether the wrong data set has
been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set.

If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

DFHFC7086 • DFHFC7092

Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname,
{1=keylength, 2=recordsize}

Destination: Console

DFHFC7090 date time applid CICS coupling facility
data table load has started for data table
dddd, file filename, pool poolname.

Explanation: CICS file control has detected that an
open request has been issued for coupling facility data table table dddd, and a task has been attached to
load the data table.

System action: CICS processing continues.

User response: None.

Module: DFHFCDL
XMEOUT Parameters: date, time, applid, dddd, filename,
pool poolname

Destination: CSFL

DFHFC7091 date time applid CICS coupling facility
data table load has successfully
processed all records in the source data
set for table dddd, file filename, pool poolname.

Explanation: The task which was attached to load
coupling facility data table dddd has successfully
processed all of the records in the associated source
data set. The load, however, is not complete until user
exit XDTLC has been called, and the table has been
marked as loaded, with its access changed from
EXCLUSIVE to SHARED.

System action: The user exit XDTLC is invoked, if
enabled, with the parameter UEPDTORC set to indicate
a successful load. The coupling facility data table server
is called to mark the table as loaded and to set the
access to shared. Another message (DFHFC7095) will
be issued indicating that these have completed and that
the load is complete. CICS processing continues.

User response: None.

Module: DFHFCDL
XMEOUT Parameters: date, time, applid, dddd, filename,
pool poolname

Destination: CSFL

DFHFC7092 date time applid CICS data table load has
terminated abnormally for coupling
facility data table dddd, file filename, pool poolname, because the table has been
closed.

Explanation: The CICS task that is loading coupling
facility data table dddd has found that CICS file control
DFHFC7093 • DFHFC7094

has requested that the load be abandoned because the file has been closed.

System action: The load transaction terminates. CICS processing continues. Any records already loaded will remain in the table. The next open will start the load transaction again which will continue the load.

User response: Investigate why the file has been closed.

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename, poolname

Destination: Console and Transient Data Queue CSFL

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DFHFC7093 date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, reason code = X’xx’.

Explanation: The CICS task that is loading coupling facility data table dddd has received a reason code X’xx’, where X’xx’ has one of the following values:

X’02’ ILLOGIC - A VSAM error which does not fall into one of the other categories.

X’0C’ NOTOPEN - The file is CLOSED and UNENABED, or still open and in use, but a CLOSE request has been received.

X’0D’ DISABLED - The file is DISABLED.

X’0F’ ENDFILE - The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.

X’80’ IOERR - I/O error.

X’84’ TABLE_FULL - Maximum records exceeded.

X’85’ RLS_DISABLED - RLS access currently not available.

X’86’ RLS_FAILURE - The RLS server has failed.

X’87’ PREVIOUS_RLS_FAILURE - The RLS server has been recycled in this unit of work.

X’88’ CACHE_FAILURE - Cache connectivity failure.

X’89’ CFDT_POOL_FULL - No more space available in the coupling facility structure for the table pool.

X’8A’ DATASET_BEING_COPIED - DSS is performing a sharp copy

System action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table.

If the user exit did not request the file to be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

User response: Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR, READNEXT and WRITE commands in the CICS Application Programming Reference.

You may be able to correct the cause of the failure, for example by explicitly enabling the file if the reason is DISABLED, or recycling the RLS server if it has failed. If the error is TABLE_FULL, meaning that the number of records to be loaded into the table exceeds the MAXNUMRECS parameter, then you can increase this parameter using the coupling facility data tables server command SET TABLE=tablename,MAXRECS=n. (Note that although altering the MAXNUMRECS parameter on the file definition within CICS, using SET FILE for example, will not have any effect on the current setting for the data table, you should consider resetting it to the new value in order to avoid getting a warning message about the mismatch.) If the error is CFDT_POOL_FULL, then you can increase the size of the coupling facility data table pool that this data table resides in.

If it is possible to correct the problem which caused the load to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and reopening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename, poolname, X’xx’

Destination: Console and Transient Data Queue CSFL

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DFHFC7094 date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, reason code = X’xx’.

Explanation: The request to close the source data set at the end of load of coupling facility data table dddd has failed. The most likely cause of the failure is an error on the SET call to the coupling facility data table server to mark the table as loaded and to set the table access as shared, either because the server was down at the time of the SET or because of an error returned by file control during processing.

System action: The table and source are closed, leaving the table in a state such that a subsequent open may be able to complete the load.

CICS processing continues.

User response: Determine the cause of the failure.
using the diagnostic information provided by file control.

**Module:** DFHFCDL  
**XMEOUT Parameters:** date, time, applid, dddd, filename, poolname, 'X'xx'  
**Destination:** Console and Transient Data Queue CSFL

**DFHFC7095**  
date time applid  
CICS coupling facility data table load has completed successfully for data table dddd, file filename, pool pool.

**Explanation:** The task that was attached to load coupling facility data table dddd has successfully completed loading.

**System action:** The user exit XDTLC has been invoked and has accepted the load. The table has been marked as loaded and the table access has been set to SHARED. CICS processing continues.

**User response:** None.

**Module:** DFHFCDL  
**XMEOUT Parameters:** date, time, applid, dddd, filename, pool  
**Destination:** CSFL

**DFHFC7096**  
date time applid  
CICS has successfully performed the first connection to the Coupling Facility Data Table Server for pool pool.

**Explanation:** The first connection to the coupling facility data table server has completed successfully.

**System action:** CICS processing continues.

**User response:** None.

**Module:** DFHFCDO DFHFCDR  
**XMEOUT Parameters:** date, time, applid, pool  
**Destination:** CSFL

**DFHFC7097**  
date time applid  
CICS has successfully reconnected to the Coupling Facility Data Table Server for pool pool.

**Explanation:** A reconnection to the coupling facility data table server has completed successfully.

**System action:** CICS processing continues.

**User response:** The reason for the reconnection should be investigated by examining the joblog for the coupling facility data table server. Messages will have been output by the server detailing what events have occurred and whether there is a risk that any data has been lost.

**Module:** DFHFCDO DFHFCDR
If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

User response: Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code ACFA for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the CICS Problem Determination Guide.

If it is possible to correct the problem which caused the load to abend, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename, poolname

Destination: Console and Transient Data Queue CSFL
record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the write to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename, poolname, n

Destination: Console and Transient Data Queue CSFL

DFHFC7110 applid An attempt to connect to coupling facility data table pool poolname, issued by module modulename, has failed.

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has been made. This attempt has failed. The connect attempt was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

System action: CICS fails the request to the coupling facility data table.

New requests to coupling facility data tables which reside in this pool will check whether the server is available and will attempt another connect if it is.

User response: Determine the reason for the failure to connect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

Module: DFHFCDR, DFHFCDO, DFHFCDU

DFHFC7111 applid An attempt to disconnect from the coupling facility data table server for pool poolname for connection token X’connecttoken’, issued by module modulename, has failed.

Explanation: CICS has detected that an instance of the coupling facility data table server for pool poolname has failed. CICS has therefore attempted to disconnect from this pool server, but this attempt has failed. The disconnect has been issued by module modulename, and connecttoken is the token which was associated with the connection to this pool server.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

System action: CICS continues. As soon as a new instance of the pool server is available (which it might already be) then CICS can re-establish a connection to the server and continue to process coupling facility data table requests.

In many cases, CICS will later be able to disconnect from the server automatically. If not, the only effect of this failure is that some storage allocated by the server to the connection will not be freed until CICS terminates, at which time a disconnect message will be issued by the pool server for each instance from which CICS failed to disconnect.

User response: Determine the reason for the failure to disconnect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this.

Module: DFHFCDR, DFHFCDO, DFHFCDU

XMEOUT Parameters: applid, poolname, X’connecttoken’, modulename,

Destination: Console

DFHFC7112 applid Resynchronization of coupling facility data table pool poolname issued from module modulename has failed.

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the server for this pool, so an attempt to connect to and resynchronize the pool server has been made, but the resynchronization has failed. The attempt to resynchronize was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

Module: DFHFCDR, DFHFCDO, DFHFCDU
which it serves. When CICS re-establishes its connection to a coupling facility data table pool server, it must perform resynchronization in order to complete recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

System action: CICS fails the request to the coupling facility data table.

Other requests to coupling facility data tables which reside in this pool will succeed if they do not require the pool to have been resynchronized, or might attempt another resynchronization if they do.

User response: Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

Depending on the stage during resynchronization at which the failure occurred, any subsequent request to a recoverable file which uses a coupling facility data table in the pool might trigger an attempt to retry the resynchronization. If such requests do not trigger a retry, then you should recycle the server region for this pool (by stopping or cancelling the server region using a server command, and then restarting it).

Module: DFHFCDR, DFHFCDO, DFHFCDU

XMEOUT Parameters: applid, poolname, modulename

Destination: Console

DFHFC7113  

applid An attempt to retry resynchronization of coupling facility data table pool poolname issued from module modulename has failed.

Explanation: CICS has issued a request to the coupling facility data table server for pool poolname. This request requires the pool to have been resynchronized.

Although CICS currently has a connection established to the pool server, an earlier attempt to resynchronize the pool failed, so the resynchronization has been retried. This retry has also failed. The attempt to retry resynchronization of the pool was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS has re-established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

Certain requests require the coupling facility data table pool to have been resynchronized before they can succeed. Such requests include:

- Open requests for files which are defined to use recoverable coupling facility data tables (open requests against non-recoverable coupling facility data tables do not require the pool to have been resynchronized).
- Syncpoint requests for units of work which have made recoverable updates to coupling facility data tables such as commit or backout requests.

These requests do not require all the units of work to have been resolved, but they do require CICS to have successfully restarted its recoverable connection to the pool server.

System action: CICS fails the request to the coupling facility data table pool.

Other requests to this pool server will succeed if they do not require the pool to have been resynchronized, or will attempt another resynchronization if they do.

User response: Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

Module: DFHFCDO, DFHFCDU

XMEOUT Parameters: applid, poolname, modulename

Destination: Console

DFHFC7114 applid Force purge of transaction trannum which made recoverable updates to coupling facility data table pool poolname has failed.

Explanation: An attempt to force purge transaction trannum has failed. The system attempted to force purge the transaction because it had made recoverable updates to one or more coupling facility data tables residing in the coupling facility data table pool poolname, and the server for that coupling facility data table pool is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will have resulted in all recoverable updates made to the coupling facility data table pool poolname, which have not yet been committed, having been backed out. This transaction had therefore made updates which have since been backed out, so the transaction needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out. However, it has not been possible to purge this transaction.

The effect of the failure to purge this transaction is that updates made to other recoverable resources may be committed, with the result that the overall unit of work will not be commit-consistent. It is also possible that the transaction will try to make subsequent updates to the coupling facility data table pool which will cause it to be abnormally terminated.
**DFHFC7115 • DFHFC7121**

**DFHFC7115**  
*applid* The coupling facility data table server for pool *poolname* has failed and restarted. One or more in-flight transactions which had made recoverable updates to coupling facility data tables residing in the pool will be abended.

**Explanation:** The coupling facility data table server for data table pool *poolname* is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will mean that any recoverable updates made to the coupling facility data table pool *poolname* that had not yet been committed will have been backed out. Any in-flight transaction which had made recoverable updates to one or more coupling facility data tables residing in data table pool *poolname* therefore needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out.

This message is issued to inform you that one or more such in-flight transactions has been found, and that CICS will attempt to abend the transactions and cause them to back out by force purging them. You should therefore expect that one or more transactions will be abnormally terminated with an ATCH transaction abend code (or possibly, in some instances, with an AKC3 abend code).

**System action:** Resynchronization of the coupling facility data table server pool continues.

**User response:** If the transaction is still active, then attempt to force purge the transaction using the CEMT master terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

**Module:** DFHFCDY

**XMEOUT Parameters:** *applid, tranum,poolname*

**Destination:** Console

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**DFHFC7120**  
*applid* The coupling facility data table pool *poolname* has an unresolved unit of work *X’UOWid’* for this CICS region of which CICS has no knowledge.

**Explanation:** CICS is resynchronizing the coupling facility data table server for pool *poolname*.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool that it serves. When CICS has established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool. The resynchronization involves restarting the recoverable connection to the pool server, and completing any unresolved units of work known to the server for which the resolution is now known.

The server has an unresolved unit of work *UOWid*, but CICS has no knowledge of a link to the pool server for this unit of work. Knowledge of links will be lost when CICS performs an initial start, but in the case of unit of work *UOWid* there has not been a CICS initial start since the unit of work was created.

**System action:** CICS resolves the unit of work by backing out the updates that it made to coupling facility data tables within the pool, and completes resynchronization of the pool.

**User response:** Since CICS will have resolved the unit of work, you do not need to take any immediate action. This message is issued to provide diagnostic information which you may want to use to understand why CICS had no knowledge of the link.

**Module:** DFHFCDY

**XMEOUT Parameters:** *applid, poolname, X’UOWid’*

**Destination:** Console

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**DFHFC7121**  
*applid* CICS coupling facility data table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code = *n*.

**Explanation:** The CICS task to load a coupling facility data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code *n* indicates the type of failure as follows

1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

**System action:** The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known. CICS terminates the loading
transaction with abend code ACFD. No records are loaded into the data table.

Requests to access the table result in a “loading” response code.

CICS processing continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

The file should be closed so that a load may be attempted again when it is next opened.

Module: DFHFCDL

XMEOUT Parameters: applid, n

Destination: Console

The locks held against coupling facility data tables are always exclusive locks, and can only have one holder. Therefore, this message uniquely identifies the owner of the required lock.

System action: The transaction is abended with an AFCY abend code.

User response: This message identifies the unit of work that is holding the required lock and the region in which it is running. Examine this unit of work to see why it is not releasing the lock; for example

• The unit of work may be holding CF data table locks and waiting for terminal input.
• The unit of work may be trying to access both coupling facility data table resources and resources owned by another resource manager, creating an inter-resource manager deadlock.

Module: DFHFCDR

XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, X'uowid', owner-applid, MVSid, X'keyid', tablename, CFDTpool

Destination: CSFL

The name of the transaction that has failed is tranid and it is running under task number trannum, at terminal termid, for user userid.

DFHFEEnnnn messages

DFHFE3301 Transaction complete

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, has completed.

System action: Other processing continues.

DFHFE3302 Invalid debug request

User response: None.

Module: DFHFEP

Destination: Terminal End User
DFHFE3303 • DFHFE3310

DFHFE3303  Invalid trace option
Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found a syntax error in the trace request (ZCQTRACE).
System action: The task ends.
User response: Check for syntax errors. Correct the errors and reenter the request.
Module: DFHFEP
Destination: Terminal End User

DFHFE3308  Program DFHTRAP is not available - global trap not activated
Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.
System action: CICS continues with the global trap not activated.
User response: Ensure that DFHTRAP has a PROGRAM resource definition and is available in the program library. You should use the global trap exit only in consultation with an IBM support representative.
Module: DFHFEP
Destination: Terminal End User

DFHFE3309  Global trap DFHTRAP is unusable following program check in exit
Explanation: While executing a field engineering (FE) transaction request to activate the global trap exit (CSFE DEBUG,TRAP=ON), the FE program, DFHFEP, has found that the global trap exit program, DFHTRAP, is already active but marked unusable. This is because, when the trap was last used, a program check occurred in DFHTRAP. This error is fully documented in message DFHTR1001.
System action: CICS continues with the global trap still marked unusable.
User response: Refer to DFHTR1001 for more information. To replace the currently active but unusable version of DFHTRAP by a new version from the CICS program library, issue the following commands in the sequence

- CSFE DEBUG,TRAP=OFF (to de-activate the current trap);
- CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the disk trap known to CICS);
- CSFE DEBUG,TRAP=ON (to activate the new version of the trap).

You should use the global trap exit only in consultation with an IBM support representative.
Module: DFHFEP
Destination: Terminal End User

DFHFE3310     applid Program DFHTRAP is not available - global trap not activated.
Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.
System action: CICS continues with the global trap not activated.
User response: Ensure that DFHTRAP has a PROGRAM resource definition and is available in the program library. You should use the global trap exit only in consultation with an IBM support representative.
Module: DFHFEP
Destination: Terminal End User
engineering transaction request, CSFE DEBUG,TRAP=ON.

**System action:** CICS continues with the global trap not activated.

**User response:** Ensure that DFHTRAP has a PROGRAM resource definition and is available in the program library. **You should use the global trap exit only in consultation with an IBM support representative.**

**Module:** DFHFEP

**XMEOUT Parameter:** applid

**Destination:** Console

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### DFHIC0002  applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

**System action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you will need assistance. Bring CICS down in a controlled shutdown and collect the dumps and any relevant messages sent by the module identified in the message. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEIIC

**XMEOUT Parameters:** applid, X'code',modname

**Destination:** Console and Transient Data Queue CSMT

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### DFHIC0310  date time applid Unable to attach transaction - tranid to terminal - termid

**Explanation:** An attempt was made to start transaction tranid on terminal termid as a result of
- a START command, or
- a DFHIC TYPE=PUT macro, or
- a DFHIC TYPE=INITIATE macro.

The attempt was rejected. The most likely cause is that, at the time the attempt was made, the terminal was unknown in the system.

This message is also issued when:
- A START command is issued in an application owning region (AOR) for a terminal that exists as a remote terminal entry in the AOR, but the destination system ID associated with the remote terminal has not been defined.
- A START command is issued against a pipeline device, or other device which is not eligible for ATI requests.

**System action:** The request is deleted from the system.

**User response:** Ensure that a valid terminal name is being specified. If the name is valid, examine the trace (if one is available) to determine why the attempt was rejected.

**Module:** DFHICP

**XMEOUT Parameters:** date, time,applid, tranid, termid

**Destination:** Console
**DFHIC0360**  
*date time applid*  
An attempt to establish security for userid *userid* has failed.  
Transaction *tranid* cannot be started without a terminal. SAF codes are (*X'safresp',* *X'safreas'). ESM codes are (*X'esmresp',* *X'esmreas').

**Explanation:**  
An attempt was made to establish security for userid *userid* but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start the transaction *tranid* without a terminal.

**System action:** Security has not been established for the userid. The attempt to start the transaction has failed.

**User response:** None

**Module:** DFHTAJP

**XMEOUT Parameters:** *applid*, hh.mm.sss, hh.mm.sss, dddddddd, rrr

**Destination:** Console

**DFHIC0801**  
*applid* CICS time altered from hh.mm.sss to hh.mm.sss - date dddddddd - relative day rrr

**Explanation:** This console message is printed when the operating system-maintained time of day has been rolled back (for example, when the operating system clock is reset to zero at midnight). Where

- hh.mm.sss is the time in hours minutes and tenths of a second
- dddddddd is the current date in the format specified by the DATFORM parameter in the system initialization table
- rrr is the day number relative to the day CICS was started.

**System action:** CICS has recognized the condition and adjusted its own time of day to agree with that of the operating system.

**User response:** None

**Module:** DFHTAJP

**XMEOUT Parameters:** *applid*, hh.mm.sss, hh.mm.sss, dddddddd, rrr

**Destination:** Console

**DFHIC0802**  
*applid* S/370 clock inoperative ... external action required

**Explanation:** CICS execution is dependent on the continued operation of the processor time-of-day clock. This warning message is sent to the console operator during the execution of the time adjustment program if the system detects a processor clock failure at that time. Immediate corrective action (if possible) must be taken by the console operator, if the clock has been disabled for any reason.

**System action:** CICS abnormally terminates itself after the condition is detected.

**User response:** The ability to enable or disable the time-of-day clock is under the control of the console operator. If the clock is disabled, it must be enabled immediately.

**Module:** DFHTAJP

**XMEOUT Parameter:** *applid*  

**Destination:** Console

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**DFHIE0001**  
*applid* An abend (code aaabbb) has occurred at offset X'offset' in module *modname*.

**Explanation:** An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaabbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A
message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHIEXM
XMEOUT Parameters: applid, X'code',modname
Destination: Console

DFHIE0001  applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHIEXM
XMEOUT Parameters: applid, X'code',modname
Destination: Console

DFHIE0003  applid Insufficient storage to satisfy Getmain (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHIEDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHIEXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Module: DFHIEXM
XMEOUT Parameters: applid, X'code',modname
Destination: Console
**DFHIE0004**  applid  A possible loop has been detected at offset X’offset’ in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X’offset’. This is the offset of the instruction that was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHIEXM

**XMEOUT Parameters:** date, time, applid, user id, tranid, X’esmresp’, X’esmreas’

**Destination:** CSCS

**DFHIE0360** date time applid A security error has been detected whilst processing an attach from a TCP/IP attached client.

**Explanation:** A request to attach a transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user, but the signon call failed.

**System action:** The attach request is rejected.

**User response:** Refer to previous security messages which are written to TDQ CIEO such as DFHIE0360 for further information and guidance. If no previous messages were issued, examine the trace to determine the reason for the signon failure. Check that if the userid or password are passed on the Attach FMH5, then they are valid.

**Module:** DFHIEP

**XMEOUT Parameters:** date, time, applid

**Destination:** CIEO

**DFHIE0998** date time applid Mirror transaction processing ECI request from TCP/IP connected client has abended with code abcode.

**Explanation:** A mirror transaction processing an ECI...
request for a TCP/IP connected client has abended with the specified abend code. This is because of an error in the user program linked for the ECI request, or because of an error in CICS. The abend processing has invoked IE domain to inform the client of the failure.

**System action:** If the original problem was in IE domain, the appropriate error actions will already have been taken. If the problem was not in IE domain, this message will be attached as Error Log Data to an FMH7 that is sent to the client to abend the conversation.

**User response:** Use the messages and dumps from the transaction abend to determine the root cause of the problem.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, abcode  
**Destination:** CIEO

This has probably happened because a separate error has caused CICS and the client to have a different view of the current state of conversations on the connection, or because the data has been corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIEO

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIEO

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIEO

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIEO

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:** DFHIEIE  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIEO

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action:** An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response:** If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.
contains information on the current state of the client
and the state of the relevant conversation in CICS. An
AIEA abend is issued for the mirror task. CICS
attempts to purge any active conversations for the
client. The connection to the client is terminated.

User response: Determine why the client has stopped
responding. If there are any other errors preceding this
one, then take action to correct them, restart the client
connection and retry the client transaction. If there are
no other errors apparent, restarting the client
connection and retrying the client transaction may also
work.

Module: DFHIEIE

XMEOUT Parameters: date, time,applid, client_ip_addr,
tcpipservice

Destination: CIEO

---

DFHIE1004  date time applid client_ip_addr tcpipservice
Data received from the client had an
invalid length field.

Explanation: Data received from the client contains a
standard header, the first four bytes of which contain
the length of the rest of the data. This length was either
less than the length of the standard header, or more
than the maximum possible for an ECI flow. This has
probably happened because a separate error has caused
the data to be corrupted at some point in the
transmission.

System action: An exception trace is written. It
contains the four byte length received from the client,
and information describing the current state of the
client in CICS. CICS attempts to purge any active
conversations for the client. The connection to the client
is terminated.

User response: If there are any other errors preceding
this one, then take action to correct them, restart the
client connection and retry the client transaction. If
there are no other errors apparent, restarting the client
connection and retrying the client transaction may also
work.

Module: DFHIEIE

XMEOUT Parameters: date, time,applid, client_ip_addr,
tcpipservice

Destination: CIEO

---

DFHIE1005  date time applid client_ip_addr tcpipservice
ECI client install failed.

Explanation: A CICS client attempted to connect over
TCP/IP. The subsequent install processing failed due to
an internal CICS error.

System action: An exception trace is written. It
contains the request data received from the client. The
connection to the client is terminated.

User response: If there are any other errors preceding
this one, then take action to correct them. If the failure
was while starting a client connection, then re-try the
start.

Module: DFHIEIE

XMEOUT Parameters: date, time,applid, client_ip_addr,
tcpipservice

Destination: CIEO

---

DFHIE1006  date time applid client_ip_addr tcpipservice
ECI request received before install.

Explanation: CICS received an ECI request from a
TCP/IP connected client before the client install request
had arrived or been completed.

System action: An exception trace is written. It
contains the ECI request data received from the client.
The connection to the client is terminated.

User response: If there are any other errors preceding
this one, then take action to correct them, restart the
client connection and retry the client transaction. If
there are no other errors apparent, restarting the client
connection and retrying the client transaction may also
work.

Module: DFHIEIE

XMEOUT Parameters: date, time,applid, client_ip_addr,
tcpipservice

Destination: CIEO

---

DFHIE1007  date time applid client_ip_addr tcpipservice
Invalid install request.

Explanation: CICS received a request to either install
or uninstall a TCP/IP connected ECI client. The data
describing the request was invalid. This is probably
caused by an earlier error corrupting the data.

System action: An exception trace is written. It
contains the request data received from the client. The
connection to the client is terminated.

User response: If there are any other errors preceding
this one, then take action to correct them. If the failure
was while starting a client connection, then re-try the
start.

Module: DFHIEIE

XMEOUT Parameters: date, time,applid, client_ip_addr,
tcpipservice

Destination: CIEO
Install request received from unsupported version of the client.

Explanation: CICS received a request to install a TCP/IP connected ECI client. The request header indicated that the client code was a version not supported by this level of CICS.

System action: An exception trace is written. It contains the request data received from the client. The connection to the client is terminated.

User response: Check which versions of the client are supported by CICS and re-install as appropriate.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIEO

Unsupported codepage specified in client install.

Explanation: CICS received a request to install a TCP/IP connected ECI client. The client code page specified in the request is not one that this CICS system's DFHCNV table supports.

System action: An exception trace is written. It contains the request data received from the client, including the client code page. The connection to the client is terminated.

User response: Modify the DFHCNV table to include the necessary information to support this client code page.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice, codepage

Destination: CIEO

Data arrived when CICS in SEND state.

Explanation: CICS received data from a client conversation that was in SEND state at the CICS end.

This has probably happened because a separate error has caused CICS and the client to have a different view of the current state of conversations on the connection, or because the data has been corrupted at some point in the transmission.

System action: An exception trace is written. It contains the data received from the client, and the state of the relevant conversation in CICS. The data is then ignored.

User response: If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice, codepage

Destination: CIEO

Install request from the client did not contain the client codepage.

Explanation: An install request has been received from a CICS client. One of the parameters which must be supplied is the codepage which the CICS client intends to use. This parameter is missing.

System action: An exception trace is written. The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User response:

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIEO
**DFHIE1013 date time applid client_ip_addr tcpipservice**
*Unexpected connection level PING reply received.*

**Explanation:** CICS received a connection level PING reply when it had not issued a request. This is probably because the client and CICS are out of step with regard to their connection state.

**System action:** An exception trace is written. It contains the data received from the client. The data is then ignored.

**User response:** Restart the client connection, if the condition repeats.

**Module:** DFHIE1E

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

---

**DFHIE1103 date time applid client_ip_addr tcpipservice**
*Invalid request by mirror task.*

**Explanation:** A call was made to the IP ECI (IE) domain during the processing of a request by a mirror task. The call was a receive when the conversation was in send state, or the call was a send when the conversation was in receive state. This is probably because an error on the TCP/IP connection has caused a loss of synchronization between the mirror task and the IE domain, but could be due to an internal error in IE domain.

**System action:** An exception trace is written by IE domain, a system dump is taken and the mirror task is abended.

**User response:** Use the dump to determine the fault in IE domain, or just retry the failing request if there were signs of other errors on the connection.

**Module:** DFHIE1E

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

---

**DFHIE1014 date time applid client_ip_addr tcpipservice**
*Error attempting socket receive from ECI client.*

**Explanation:** The IP ECI (IE) domain issued a Sockets Domain receive which did not complete successfully. This is probably because of a storage overwrite or an internal error in SO domain. This message should be preceded by an SO failure message.

**System action:** An exception trace is written by IE domain and the IP ECI listener task (CIEP) is abended.

**User response:** Determine the reason for the Sockets Domain failure.

**Module:** DFHIE1E

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

---

**DFHIE1015 date time applid client_ip_addr tcpipservice**
*Error attempting socket send to ECI client.*

**Explanation:** The IP ECI (IE) domain issued a Sockets Domain send which did not complete successfully. This is probably because of a storage overwrite or an internal error in SO domain. This message should be preceded by an SO failure message.

**System action:** An exception trace is written by IE domain and the IP ECI listener task (CIEP) is abended.

**User response:** Determine the reason for the Sockets Domain failure.

**Module:** DFHIE1E

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

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**Chapter 4. DFH messages - DFH01 to DFHM 771**
DFHIE1106 • DFHIE1203

System action: An exception trace is written by IE domain and the IP ECI listener task (CIEP) or mirror task is abended.

User response: Determine the reason for the Sockets Domain failure.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIEO

DFHIE1106 date time applid client_ip_addr tcpipservice Error attempting to wait for client data.

Explanation: The IP ECI (IE) domain issued a Dispatcher WAIT_MVS from a mirror task to await the arrival of more data from the client. The WAIT_MVS did not complete successfully. This is probably because of a storage overwrite or an internal error in DS domain. This message should be preceded by a DS failure message.

System action: An exception trace is written by IE domain and the mirror task is abended.

User response: Determine the reason for the DS Domain failure.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIEO

DFHIE1201 date time applid client_ip_addr tcpipservice Error attaching mirror transaction id transid.

Explanation: The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully. This is probably because of a storage overwrite or an internal error in XM domain. This message should be preceded by an XM failure message.

System action: An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

User response: Determine the reason for the XM failure.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice, transid

Destination: CIEO

DFHIE1202 date time applid client_ip_addr tcpipservice ECI request timed out. Abnormal termination initiated.

Explanation: The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The protocol confirmed that the client and CICS were both unable to continue so the decision was taken to abend the conversation. The most likely cause of this is that the user program specified in the ECI request has issued calls that have caused the mirror task to go into a prolonged wait state, so preventing a reply to the ECI request being sent to the client.

System action: An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

User response: Determine the reason for the mirror task going into a prolonged wait state.

Module: DFHIEIE

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIEO

DFHIE1203 date time applid client_ip_addr tcpipservice EPI request attempted by TCP/IP connected client.

Explanation: The IP ECI (IE) domain received an attach request for the CTIN transaction, which is only used in the processing of EPI requests. EPI is not supported by CICS for TCP/IP connected clients.

System action: An exception trace is written by IE
Domain. A CTIN INSTALL error response is sent to the client to tell it that the install was cancelled.

**User response:** Do not attempt to use EPI from TCP/IP connected clients.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

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**DFHIE1204**  
*date time applid client_ip_addr tcpipservice*

Data lost during ECI request processing.

**Explanation:** The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The client returned NOT_ABENDED to the conversation ping request sent by CICS, indicating that it is in RECEIVE state having sent the data that CICS timed out waiting to receive. However, CICS has not received the data. This error is probably due to other errors that occurred during the lifetime of the conversation.

**System action:** An exception trace is written by IE domain. An error flow (FMH7) is sent to the client indicating that the conversation is to be abended. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

**User response:** Determine the reason for the loss of data by analyzing the cause of the associated errors.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIEO

**DFHIE1206**  
*date time applid client_ip_addr tcpipservice*

Mirror transaction id transid is disabled.

**Explanation:** The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task has been disabled.

**System action:** An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

**User response:** If the transaction id should not have been disabled then use CEMT or a similar control transaction to enable it. The ECI request can then be retried.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice, transid

**Destination:** CIEO

---

**DFHIE1207**  
*date time applid client_ip_addr tcpipservice*

Mirror transaction id transid not found.

**Explanation:** The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task is not defined on this CICS system.

**System action:** An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

**User response:** Install a definition for the specified transaction id or change the client to use the correct one. The ECI request can then be retried.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice, transid

**Destination:** CIEO

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Chapter 4. DFH messages - DFH01 to DFHM 773
**DFHIE1208**  date time applid client_ip_addr tcpipservice

Mirror transaction id transid has been disabled because CICS is shutting down.

**Explanation:** The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task has been disabled by the system during shutdown.

**System action:** An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

**User response:** If you wish to allow mirror tasks to run during shutdown then the transaction id must be defined as SHUTDOWN(ENABLED).

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, transid

**Destination:** CIEO

**DFHIE1209**  date time applid client_ip_addr tcpipservice

Error assigning termid to mirror task.

**Explanation:** The IP ECI (IE) domain issued a call to allocate a unique value to be placed in EIBTRMID for the mirror task processing an ECI request. This call failed for some internal reason or, much less likely, because all 46656 names are currently in use. This is probably because of a storage overwrite or an internal error in the DFHZGBM routine that allocates the names. This message should be preceded by a failure message from DFHZGBM.

**System action:** An exception trace is written by IE domain. The mirror attach is rejected with an FMH7 flow.

**User response:** Determine the reason for the DFHZGBM failure.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice

**Destination:** CIEO

**DFHIE1210**  date time applid client_ip_addr tcpipservice

ECI request timed out. Client says conversation not known.

**Explanation:** The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The client indicated that it did not know about the specified conversation so CICS will attempt to purge the associated mirror task. The most likely cause of this is that the client program encountered an error and lost track of current requests.

**System action:** An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

**User response:** Determine the reason for the corrupted data by analysing the cause of the associated errors.

**Module:** DFHIEIE

**DFHIE1211**  date time applid client_ip_addr tcpipservice

ECI request mirror task abended because of read time out or earlier error.

**Explanation:** This ECI request mirror task was flagged for abend for one of the following reasons.

- There was no response within the RTIMOUT period when CICS was waiting for data from the client on this conversation.
- There was an error on the conversation and the mirror task purge request could not be completed (probably because the mirror has the recommended setting of SPURGE(NO)).

**System action:** An exception trace is written by IE domain. The mirror task issues a transaction abend.

**User response:** Determine why the client has not sent the next flow in this conversation or see the user response for the earlier IE domain message.

**Module:** DFHIEIE

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice

**Destination:** CIEO

**DFHIE1212**  date time applid client_ip_addr tcpipservice

Unexpected user data received from TCP/IP connected client.

**Explanation:** CICS has received user data (an ECI request or SYNCPPOINT flow) for a mirror task that was not expecting any. This error is probably due to other errors related to the TCP/IP connection that have corrupted the flow sequence.

**System action:** An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

**User response:** Determine the reason for the associated errors.
DFHIE1213 - DFHII002

**Explanation:** CICS has received an FMH7 error flow from a TCP/IP connected ECI client. This indicates that the client encountered an error during its processing of the work related to the ECI request and wishes to abnormally terminate the conversation. The sense code specifies the type of error.

**System action:** An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

**User response:** Determine the problem at the client end.

**Module:** DFHIEIE

**DFHII0001**

**Explanation:** An abnormal end (abend) or program check has occurred in module `modname`. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code `aaa/bbbb` is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module `modname` you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP, DFHIIDM, DFHIIMM, DFHIIRH, DFHIIRP, DFHIIRQ, DFHIIRR, DFHIIXM

**DFHII0002**

**Explanation:** An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.
CICS may not have been terminated. If the message occurs once and module \textit{modname} is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module \textit{modname}, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

\textbf{Module:} DFHIICP, DFHIIDM, DFHIIMM, DFHIIRH, DFHIIRP, DFHIIRQ, DFHIIRR, DFHIIXM

\textbf{XMEOUT Parameters:} applid, X'code', \textit{modname}

\textbf{Destination:} Console

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\textbf{DFHII0004}  \textbf{DFHII0101E}

CICS may not have been terminated. If the message occurs once and module \textit{modname} is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module \textit{modname}, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

\textbf{Module:} DFHIICP, DFHIIDM, DFHIIMM, DFHIIRH, DFHIIRP, DFHIIRQ, DFHIIRR, DFHIIXM

\textbf{XMEOUT Parameters:} applid, X'offset', \textit{modname}

\textbf{Destination:} Console

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\textbf{DFHII0004} \textit{applid} A possible loop has been detected at offset X'offset' in module \textit{modname}.

\textbf{Explanation:} A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module \textit{modname} at offset X'offset'. This is the offset of the instruction which was executing at the time when the error was detected.

\textbf{System action:} An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

\textbf{User response:} If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function, and there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module \textit{modname} is terminated and CICS continues.

If you have specified system initialization parameter \textit{ICVR}=0 and you consider that module \textit{modname} is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module \textit{modname}, and you consider that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You have to close down CICS at a suitable time to do this permanently. You can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

\textbf{Module:} DFHIICP, DFHIIDM, DFHIIMM, DFHIIRH, DFHIIRP, DFHIIRQ, DFHIIRR, DFHIIXM

\textbf{XMEOUT Parameters:} applid, X'offset', \textit{modname}

\textbf{Destination:} Console

---

\textbf{DFHII0100E} date time applid client_ip_addr tcpipservice The request receiver invoked the security URM \textit{urmmname} which denied permission for the request.

\textbf{Explanation:} The IIOP Request Receiver received a request and called the security URM \textit{urmmname}. However, the URM set the return code to prevent the request being processed.

\textbf{System action:} Exception trace point 0124 is issued. Outstanding replies are processed. A systemException of NO_PERMISSION is sent to the client. The socket is closed and the transaction terminated.

\textbf{User response:} Determine why the URM denied permission for the client \textit{client_ip_addr}.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

\textbf{Module:} DFHIIRR

\textbf{XMEOUT Parameters:} date, time, applid, client_ip_addr, tcpipservice, \textit{urmmname}

\textbf{Destination:} CIIL

---

\textbf{DFHII0101E} date time applid client_ip_addr tcpipservice The request receiver received a request with an invalid object key.

\textbf{Explanation:} The IIOP Request Receiver received a GIOP header which contains an invalid object key.

\textbf{System action:} Trace point 020E is issued under some circumstances. Exception trace point 0127 is issued. Outstanding replies are processed. A systemException of INV_OBJREF is sent to the client. The socket is closed and the transaction terminated.

\textbf{User response:} Use the exception trace to determine why the objectKey is invalid.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

\textbf{Module:} DFHIIRR

---
XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIIL

DFHII0102E date time applid client_ip_addr tcpipservice
The request receiver is unable to send a request to the request processor.

Explanation: The IIOP Request Receiver received a GIOP request but is unable to send the request to the ORB via a Request Stream.

System action: Exception trace point 012A is issued. Outstanding replies are processed. A systemException of COMM_FAILURE is sent to the client. The socket is closed and the transaction terminated.

User response: Use trace to determine why the RZSO SEND_REQUEST failed.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

Module: DFHIIRR

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIIL

DFHII0103E date time applid client_ip_addr tcpipservice
The request receiver is unable to receive a reply from the request processor.

Explanation: The IIOP Request Receiver received a GIOP request and sent it to the ORB via a Request Stream. A reply was expected but the request receiver was unable to receive it.

System action: Exception trace point 012B is issued. Outstanding replies are processed. A systemException of INTERNAL is sent to the client. The socket is closed and the transaction terminated.

User response: Use trace to determine why the RZSO LISTEN_REPLY failed.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

Module: DFHIIRR

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIIL

DFHII0104E date time applid client_ip_addr tcpipservice
The request receiver received a request on a connection whose TCPIPSERVICE specified AUTHENTICATE(CERTIFICATE) but no CERTIFICATE_USERID is available.

Explanation: The IIOP Request Receiver received a GIOP request; however, the TCPIPSERVICE tcpipservice specified AUTHENTICATE(CERTIFICATE) but the client has not provided a client certificate that maps to a valid userid in the external security manager. This may be for one of the following reasons:

- The client has not provided any certificate.
- The client’s certificate is not installed in the external security manager’s database.
- The client’s certificate is not marked as TRUSTED in the external security manager’s database.

System action: Exception trace point 0125 is issued. Outstanding replies are processed. A systemException of NO_PERMISSION is sent to the client. The socket is closed and the transaction is terminated.

User response: Ensure that the client has a valid certificate. Install the certificate in the external security manager with the TRUSTED attribute and which maps to a valid userid. If the security manager is the IBM z/OS Security Server (RACF), this can be done with the RACDCERT command.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

Module: DFHIIRR

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice, urmname, userid

Destination: CIIL

DFHII0105E date time applid client_ip_addr tcpipservice
The request receiver received a request but the userid userid supplied by the URM urmname is not authorised.

Explanation: The IIOP Request Receiver received a GIOP request, the URM specified in the TCPIPSERVICE tcpipservice was called and returned a different userid. However, this userid is not valid.

System action: Exception trace point 0126 is issued. Outstanding replies are processed. A systemException of NO_PERMISSION is sent to the client. The socket is closed and the transaction terminated.

User response: Determine why the URM urmname returned an invalid userid.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

Module: DFHIIRR

XMEOUT Parameters: date, time, applid, client_ip_addr, tcpipservice

Destination: CIIL

DFHII0106E date time applid client_ip_addr tcpipservice
The request receiver find request stream failed.

Explanation: The IIOP Request Receiver received a
GIOP request; however, the attempt to find a Request Stream failed.

**System action:** Outstanding replies are processed. A systemException of COMM_FAILURE is sent to the client. The socket is closed and the transaction is terminated.

**User response:** Use trace and the previous DFHII002 message to determine why program DFHIIRH failed to find a Request Stream.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

**Explanation:** The IIOP Request Receiver received a GIOP request and sent it to the ORB via a Request Stream. A reply was expected but the request receiver was unable to receive it. The failure to receive the request could be caused by a transport failure or by the failure of the Request Processor. req_id is the requestId of the request expecting the reply.

**System action:** Exception trace point 012D is issued. A systemException of COMM_FAILURE or INTERNAL is sent to the client. The Request Receiver attempts to continue.

**User response:** Use trace to determine why the RZSO RECEIVE_REPLY failed.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice, req_id

**Destination:** CIIL

**Explanation:** The IIOP Request Receiver received a GIOP request. The request handler found an OTS PropagationContext with a null coordinator in the transaction context within the request header.

**System action:** Exception trace point 0148 is issued. Outstanding replies are processed. A systemException of INVALID_TRANSACTION is sent to the client. The socket is closed and the transaction terminated.

**User response:** Trace point II 0212 data 1 contains the transaction sequence (the contents of the transaction context - for a maximum of 512-bytes).

If the transaction context originated in WebSphere Application Server Advanced Edition, you should use the WebSphere administration console to set the command line option com.ibm.ejs.jts.jts.ControlSet.nativeOnly=false for the relevant server to cause it to propagate interoperable transaction contexts.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

**Explanation:** The IIOP Request Receiver request streams notify gate was called with a status that indicated that the reply was not available. The reply was for requestId req_id. The reason is set from the notify status.

**System action:** Exception trace point 013A is issued. Outstanding replies are processed. A systemException of INVALID_TRANSACTION is sent to the client. The Request Receiver attempts to continue.

**User response:** Use trace to determine why the Request Processor was unable to respond within the RTIMOUT time specified in the DFHCICSI profile. Otherwise use trace to determine why the Request Processor abended or why the Request Stream closed abnormally.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice, req_id, [1=Request Processor ABEND., 2=Request Stream closed., 3=Timeout., 4=Undefined.]

**Destination:** CIIL

**Explanation:** The IIOP Request Receiver request with an OTS PropagationContext with a null coordinator was received. The request receiver received a request with no object key. Reason(X'pointId').

**System action:** Exception trace point 013C is issued. The addressing disposition value is invalid. From GIOP 1.2 the addressing disposition within the target address should be a 2 byte value of 0, 1 or 2 indicating whether a
KeyAddr, ProfileAddr or ReferenceAddr follows. This means that CICS cannot find an object key.

013D The addressing disposition value is 2 but a 0 value for profile number indicates that there are no tagged profiles and thus no object key.

013E The addressing disposition value is 2 and one or more tagged profiles exist. However the object key is in the tagged internet profile (profileId = 00000000) which is not present.

**System action:** Exception trace point 013C, 013D or 013E is issued. Outstanding replies are processed. A systemException of INV_OBJREF is sent to the client. The socket is closed and the transaction terminated.

**User response:** Use the exception trace to determine why the request or located request header is invalid.

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

The Common Object Request Broker: Architecture and Specification manual contains the definition of the request and locate request header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, X'pointId'

**Destination:** CIIL

---

DFHII0200E  date time applid client_ip_addr tcpipservice
The request receiver SOCB notify gate is unable to attach transaction transaction.

**Explanation:** The socket domain received a request for a TCPIP service which specified PROTOCOL(IIOP). However, the socket notify gate in the Request Receiver was unable to attach the transaction specified in the TCPIP service definition.

**System action:** Exception trace point 012E is issued.

**User response:** Check the definitions in the TCPIP service and the specified transaction.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, sup_version, rec_version

**Destination:** CIIL

---

DFHII0202E  date time applid client_ip_addr tcpipservice
The request receiver received a GIOP header for an unsupported version.
Supported version is GIOP sup_version. Received version is GIOP rec_version.

**Explanation:** The IIOP Request Receiver received a GIOP header with an invalid GIOP version. This CICS supports up to GIOP sup_version. The version of the received message is GIOP rec_version.

**System action:** Exception trace point 0108 is issued. Outstanding replies are processed. A systemException is sent to the client. The socket is closed and the transaction terminated.

**User response:** If this CICS region is part of a logical server which is being upgraded from one release to another, ensure that all regions within the logical server advertise the lowest level of GIOP supported across the logical server.

Ensure that IORs published for use with this CICS region are at GIOP version sup_version and that the client ORB is using the IOR correctly.

Data 2 in the exception trace point entry contains the GIOP header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, sup_version, rec_version

**Destination:** CIIL

---

DFHII0204E  date time applid client_ip_addr tcpipservice
The request receiver received a fragment when none was expected.

**Explanation:** The IIOP Request Receiver received a messageType of fragment; however, the 'more fragments' flag was not set in the previous message.

**System action:** Exception trace point 010F is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the client sent a fragment when one was not expected.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, sup_version, rec_version

**Destination:** CIIL
**DFHII0205E • DFHII0209E**

Data 2 in the exception trace point entry contains the first 1024 bytes of the GIOP request.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

---

**DFHII0205E** date time applid client_ip_addr tcpipservice
The request receiver received a **messageType of messageError.**

**Explanation:** The IIOP Request Receiver received a **messageType of messageError.**

**System action:** Exception trace point 0120 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the client sent a messageError. If it was in response to a message from the server, determine the message in error.

Data 2 in the exception trace point entry contains the GIOP Header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

---

**DFHII0206E** date time applid client_ip_addr tcpipservice
The request receiver received a **messageType of reply or locateReply which is not supported.**

**Explanation:** The IIOP Request Receiver received a **messageType of reply or locateReply which is not supported by this Request Receiver.**

**System action:** Exception trace point 0121 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the client sent a reply.

Data 2 in the exception trace point entry contains the GIOP Header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

---

**DFHII0207E** date time applid client_ip_addr tcpipservice
The request receiver received a **messageType of closeConnection which is not supported by this Request Receiver.**

**Explanation:** The IIOP Request Receiver received a **messageType of closeConnection which is not supported.**

**System action:** Exception trace point 0122 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the client sent a closeConnection.

Data 2 in the exception trace point entry contains the GIOP Header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

---

**DFHII0208E** date time applid client_ip_addr tcpipservice
The request receiver received a GIOP header with an invalid **messageType.**

**Explanation:** The IIOP Request Receiver received a GIOP header with an invalid **messageType.**

**System action:** Exception trace point 0123 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the client sent GIOP header with an unknown **messageType.**

Data 2 in the exception trace point entry contains the GIOP Header.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice

**Destination:** CIIL

---

**DFHII0209E** date time applid client_ip_addr tcpipservice
The request receiver is unable to parse a request header.

**Explanation:** The IIOP Request Receiver received a GIOP request header which it is unable to parse correctly.

**System action:** Exception trace point 0214 or 0215 is issued followed by Exception trace point 0128. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the request header is apparently invalid.

If exception trace point 0214 is issued then DFHIIRR was unable to parse the service contexts in the request header.

If exception trace point 0215 is issued then DFHIIRR
found a length in the request header that was greater than the length of the whole buffer. The length is contained in data 1.

Data 2 in the exception trace point 0128 contains the first 1024 bytes of the request.

**Module:** DFHIIRR  
**XMEOUT Parameters:** date, time, applid, client_ip_addr, tcpipservice  
**Destination:** CIIL

---

**DFHI0210 E**  
*date* *time* *applid* *The request receiver is unable to run the security URM: module.*  
*Reason*(*X’reason’*)

**Explanation:** The IIOP Request Receiver attempted to invoke the security URM *module* but failed with a code supplied as *reason*.

**System action:** Exception trace point 0209 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Possible causes of the problem and an indication of how to solve them are given in the following list of reason code meanings:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.</td>
</tr>
<tr>
<td>2</td>
<td>The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.</td>
</tr>
<tr>
<td>3</td>
<td>The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.</td>
</tr>
<tr>
<td>4</td>
<td>The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.</td>
</tr>
<tr>
<td>5</td>
<td>The user exit program is not enabled. CICS may have disabled the program due to an earlier error or the program may have been defined as disabled.</td>
</tr>
<tr>
<td>6</td>
<td>CICS is unable to load the user exit program for some other reason. Use trace to determine why the DFHPGLU call failed.</td>
</tr>
</tbody>
</table>

**Module:** DFHIIRR  
**XMEOUT Parameters:** *date*, *time*, *applid*, *module*, *X’reason’*  
**Destination:** CIIL

---

**DFHI0213E**  
*date* *time* *applid* *The request receiver request streams notify gate was driven but the task no longer exists for request_id X’req_id’*.

**Explanation:** The IIOP Request Receiver Request Stream’s notify gate was driven to indicate that a reply is ready, but the task no longer exists. The reply was for requestId *req_id*.

**System action:** Exception trace point 0139 is issued.

**User response:** Determine why the task no longer exists. It may have been purged or may not have expected a reply and so terminated.

**Module:** DFHIIRR  
**XMEOUT Parameters:** *date*, *time*, *applid*, *X’req_id’*  
**Destination:** CIIL

---

**DFHI0214E**  
*date* *time* *applid* *The request receiver request streams notify gate was driven but the resume for the task failed for request_id X’req_id’*.

**Explanation:** The IIOP Request Receiver Request Stream’s notify gate attempted to resume a task when a reply was available, but the resume failed. The task may have been force purged. The reply was for requestId *req_id*.

**System action:** Exception trace point 0138 is issued.

**User response:** Determine why the resume failed.

**Module:** DFHIIRR
The request receiver socb_notify_gate was driven but the resume for the task failed.

**Explanation:** The IIOP Request Receiver socket notify gate attempted to resume a task after new data or some other socket activity occurred, but the resume failed. This would occur if the Request Receiver task was force purged.

**System action:** Exception trace point 0137 is issued.

**User response:** Determine whether the task was purged - this can be determined by examining the DSSR RESUME exit trace point for an exception of TASK_CANCELLED. If the task was not purged examine the DSSR RESUME exit trace point to see why the resume failed.

**Module:** DFHIIRR

The request receiver asynchronous socket receive failed with an IO error.

**Explanation:** The IIOP Request Receiver socket notify gate was driven with an action code of ERROR because an outstanding asynchronous socket receive request ended with an IO error.

**System action:** Exception trace point 013B is issued. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why an IO error occurred on this port.

**Module:** DFHIIRR

The request receiver received a GIOP header with an invalid length.

**Explanation:** The IIOP Request Receiver received a GIOP header and attempted to receive the number of bytes specified in the header, however, that number of bytes was not available.

**System action:** Exception trace point 0107 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

**User response:** Determine why the GIOP header was sent with an incorrect length field.

**Module:** DFHIIRR

The request handler is unable to create or join a request stream because it is unable to reach the target for transaction tranid.

**Explanation:** The IIOP request handler attempted to create or join a request stream for transaction tranid. The transaction specifies a REMOTESYSTEM which cannot be contacted. This might be because IRC is not open or the target system is unavailable.

If the caller is the Request Receiver, message DFHIII0106 follows this message. DFHIII0106 shows the client ip address and TCPIPSERVICE name of the client.

If tranid is specified as 'n/a' then the request handler was attempting to JOIN a request stream but the transaction id is not available to the request handler.

If the caller was a request processor and a JOIN was being attempted the request processor may attempt to
send the request via an outbound TCPIP request stream.

**System action:** Exception trace point 020B is issued if create failed. Exception trace point 020A is issued if join failed. If the caller is the Request Receiver a systemError is sent to the client, the socket is closed and the transaction terminated. If the caller is the Request Processor a systemError is sent to the client and the transaction is terminated.

**User response:** Determine the remote system name from the *tranid* definition. Ensure that IRC is open and the IRC connection named is in service.

**Module:** DFHIIRH

**XMEOUT Parameters:** `date, time, applid, tranid`

**Destination:** CIIL

---

**DFHII0220E** `date time applid tranid` The request handler is unable to create or join a request stream because remote system specified in transaction *tranid* cannot be reached.

**Explaination:** The IIOP request handler attempted to create or join a request stream for transaction *tranid*. The transaction specifies a REMOTESYSTEM which cannot be found. The transaction was specified in a Request Model TRANSID parameter.

If the caller is the Request Receiver, message DFHII0106 follows this message. DFHII0106 shows the client ip address and TCPIPSERVICE name of the client.

**System action:** Exception trace point 020B is issued if create failed. Exception trace point 020A is issued if join failed. If the caller is the Request Receiver a systemError is sent to the client and the socket is closed and the transaction terminated. If the caller is the Request Processor a systemError is sent to the client and the transaction is terminated.

**User response:** Either install the relevant MRO connection or change the REMOTESYSTEM for transaction *tranid* to the required MRO connection that is installed.

**Module:** DFHIIRH

**XMEOUT Parameters:** `date, time, applid, tranid`

**Destination:** CIIL

---

**DFHII0221E** `date time applid client_ip_addr tcpibservice` The Request Receiver failed to receive a request due to a socket error.

**Explaination:** The IIOP Request Receiver attempted to receive a request from a socket, but the socket domain found an error.

**System action:** Exception trace point 010A is issued.

**User response:** Check for an earlier DFHSO message which describes the cause of this failure.

**Module:** DFHIIRR

**XMEOUT Parameters:** `date, time, applid, client_ip_addr, tcpibservice`

**Destination:** CIIL

---

**DFHII0223E** `date time applid client_ip_addr tcpibservice` The Request Receiver is unable to obtain storage.

**Explaination:** The IIOP Request Receiver attempted to obtain storage from the storage manager domain.

**System action:** Exception trace point 0130 is issued.

**User response:** Find why the CICS system is short on storage. It may be necessary to limit the number of CIRR tasks by using the TRANCLASS mechanism on the TRANSACTION definition for CIRR or by lowering the MAXACTIVE parameter in the existing TRANCLASS. If this is not desirable then you may need to increase the EDSALIM specified in the System Initialization Table.

**Module:** DFHIIRR

**XMEOUT Parameters:** `date, time, applid, client_ip_addr, tcpibservice`

**Destination:** CIIL

---

**DFHII0224E** `date time applid client_ip_addr tcpibservice` The Request Receiver received a request which indicated that a fragment is expected. This is not supported for GIOP 1.1 and earlier.

**Explaination:** The IIOP Request Receiver received a GIOP 1.1 (or earlier) header with the 'fragment expected' bit on. CICS does not support fragments for GIOP 1.1.

**System action:** Exception trace point 0149 is issued.

**User response:** Find why the client is sending fragments.

**Module:** DFHIIRR

**XMEOUT Parameters:** `date, time, applid, client_ip_addr, tcpibservice`

**Destination:** CIIL

---

**Chapter 4. DFH messages - DFH01 to DFH07**
**DFHII0225E • DFHII0228E**

**User response:** Use the TCPIP service name and client ip address from this message and find the earlier DFHII06xx message to determine the cause of the failure.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice

**Destination:** CIIL

**DFHII0225E date time applid client_ip_addr tcpipservice**

The Request Receiver received a request without a valid security context for TCPIPSERVICE AUTHENTICATION({none | basic | asserted | unused | certificate}).

**Explanation:** The IIOP Request Receiver received a request. The TCPIPSERVICE defined an authentication parameter specified in the message. However, no valid security context was found for that protocol.

**System action:** Exception trace point 0151 is issued.

**User response:** Determine whether the authentication parameter specified in the TCPIPSERVICE is wrong or whether the client sent a request with an invalid security context.

1. There might be no security context at all.
2. There might be a security context but of the wrong type.
3. There might be a security context but with an unsupported version.
4. There might be a basic authentication security context which contains a mechanism other than ‘SSL’ in ASCII.

Use trace to examine the request header found in trace point II 0132. There may be several of these. The GIOP Header is traced first and this is followed by the request header and body of the request. Trace level 1 traces the first 512-bytes. If the security context occurs after 512-bytes you need II trace level 1 and 2 set.

This probably occurs on the first request for the connection but may occur for subsequent requests.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, {1=none, 2=basic, 3=asserted, 4=unused, 5=certificate}

**Destination:** CIIL

**DFHII0228E date time applid client_ip_addr tcpipservice**

The request receiver socket has been closed. Replies outstanding: replies. Fragments in progress: fragments

**Explanation:** The IIOP Request Receiver received a socket closed notification from the client and at least one of the requests was for GIOP 1.2 or above. There are replies replies outstanding from the request processor to earlier requests or locate requests. There are fragments fragmented requests or locateRequests started.

**System action:** Exception trace point 014A is issued. The transaction is terminated.

**User response:** Determine why the client closed the socket when there were still replies or fragments in progress.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice, replies, fragments

**Destination:** CIIL

**DFHII0228E date time applid client_ip_addr tcpipservice**

The request receiver socket has been closed.

**Explanation:** The IIOP Request Receiver received a socket closed notification from the client and at least one of the requests was for GIOP 1.2 or above. At GIOP 1.2 or above the request receiver expects to receive a connectionClose request and not a socket close for an orderly shutdown. There are no replies outstanding.

**System action:** Exception trace point 014B is issued. The transaction is terminated.

**User response:** Determine why the client closed the socket before sending a connectionClose request.

**Module:** DFHIIRR

**XMEOUT Parameters:** date, time,applid, client_ip_addr, tcpipservice
The request receiver received a GIOP fragment with no preceding request for requestId: requestId.

Explanation: The IIOP Request Receiver received a fragment. However no GIOP request or locateRequest has been received for the fragment with the requestId specified.

System action: Exception trace point 0152 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

User response: Determine why the client sent a fragment with no request. In GIOP 1.2 and above fragments contain a request header that just consists of the requestId. This should be consistent for all the fragments for the request or locate request being received including the first.

Fragments can be in progress for more than one request at a time.

Data 2 in the exception trace point entry contains the first fragment's GIOP header and request header.

Module: DFHIIRR

DFHI0230E date time applid The request processor request streams notify gate was driven but the task no longer exists.

Explanation: The IIOP Request Processor Request Stream’s notify gate was driven to indicate that a reply or request is ready, but the task no longer exists.

System action: Exception trace point 070F is issued.

User response: Determine why the task no longer exists. The task may have been purged or may not have expected a reply and so terminated.

Module: DFHIIRR

DFHI0231E date time applid The request processor request streams notify gate was driven but the resume for the task failed.

Explanation: The IIOP Request Processor Request Stream’s notify gate attempted to resume a task when a reply or request was available, but the resume failed.

System action: Exception trace point 0710 is issued.

User response: Use trace to determine why the resume failed. The task may have been purged.

Module: DFHIIRR
DFHI0235E • DFHI0239E

XMEOUT Parameters: date, time, applid
Destination: CIIL

DFHI0235E date time applid The request processor is unable to send a request to a target ORB.
Explanation: The IOP Request Processor attempted to send a request to a target ORB but the send failed.
System action: Exception trace point 070C is issued. See the system action for the DFHIII1nnn message that is issued after this message.
User response: Use trace to determine why the send request failed. Look for earlier Request Stream (RZ) trace and messages.
Module: DFHIIRP

DFHI0236E date time applid The request processor is unable to receive a reply or a request from a target ORB or the request receiver.
Explanation: The IOP Request Processor attempted to await the arrival of a request from the Request Receiver or a reply from a target ORB but the attempt failed.
System action: Exception trace point 070D is issued. See the system action for the DFHIII1nnn message that is issued after this message.
User response: Use trace to determine whether an RZLN LISTEN was for a reply or a request. The 3 tokens in the RZLN LISTEN request will assist in this. The RZLN LISTEN exception will identify the reason for the failure.
Module: DFHIIRP

DFHI0237E date time applid The request handler is unable to create or join a request stream because transaction tranid is not installed.
Explanation: The IOP request handler attempted to create or join a request stream for transaction tranid which is not installed. The transaction was specified in a Request Model TRANSID parameter.
If the caller is the Request Receiver, message DFHI0106 follows this message. DFHI0106 shows the client ip address and TCP/IP SERVICE name of the client.
System action: Exception trace point 020B is issued if create failed. Exception trace point 020A is issued if join failed. If the caller is the Request Receiver a systemError is sent to the client and the socket is closed and the transaction terminated. If the caller is the Request Processor a systemError is sent to the client and the transaction is terminated.
User response: Either add an RDO definition for tranid with a program name of DFJIIRP or change the matching RDO Request Model that specifies a TRANSID of tranid to a transaction that is defined with a program of DFJIIRP.
Module: DFHIIRP

DFHI0238E date time applid The request processor received a request with an invalid header.
Explanation: The IOP Request Processor issued a receive_request to receive data from a Request Receiver but the data received did not start with the GIOP magic characters.
System action: Exception trace point 0719 is issued. See the system action for the DFHIII1nnn message that is issued after this message.
User response: Use trace to determine why a valid GIOP header was not received.
Module: DFHIIRP

DFHI0239E date time applid A request processor request does not contain a valid cicsTaskTrackingContext.
Explanation: The IOP Request Processor either received a request from the request receiver or was about to send a request. However, the request does not contain a valid cicsTaskTrackingContext.
System action: Exception trace point 0725 is issued if the context is missing. Exception trace point 0714 is issued if the request handler was unable to parse the request.
The transaction is abended.
User response: Use trace to determine whether the request had just been received from a Request Receiver (DFHIIRP RECEIVE_REQUEST) or whether it had been built by the ORB and was about to be sent (DFHIIRP INVOKE). Data3 in both trace points contain the request.
Module: DFHIIRP

Destination: CIIL

XMEOUT Parameters: date, time, applid
DFHII0240E  date time applid The request processor received a reply with an invalid header.

Explanation: The IIOP Request Processor attempted to receive a reply from a target ORB but the data received did not start with the GIOP magic characters.

System action: Exception trace point 071B is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why a valid GIOP header was not received.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL

DFHII0241E  date time applid The request processor received a reply fragment with an invalid header.

Explanation: The IIOP Request Processor issued a receive_reply to receive a fragment from target ORB but the data received did not start with the GIOP magic characters.

System action: Exception trace point 071C is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why a valid GIOP fragment header was not received.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL

DFHII0242E  date time applid The request processor did not receive a reply fragment.

Explanation: The IIOP Request Processor issued a receive_reply to receive a fragment from target ORB but the data received did not have a GIOPMessageType of GIOPFragment.

System action: Exception trace point 071D is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why a valid GIOP fragment was not received.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL

DFHII0243E  date time applid The request processor received a messageError reply.

Explanation: The IIOP Request Processor attempted to receive a reply from a target ORB but the data received had a GIOPMessageType of GIOPMessageError.

System action: Exception trace point 0720 is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why a GIOPMessageError was received.

Determine whether the original request was in error or whether the target ORB incorrectly sent a messageError.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL

DFHII0244E  date time applid The request processor received an invalid GIOPMessageType.

Explanation: The IIOP Request Processor attempted to receive a reply from a target ORB. The data received had a known GIOPMessageType but is not valid when sent from a server.

System action: Exception trace point 0721 is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why the target ORB sent an invalid GIOPMessageType.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL

DFHII0245E  date time applid The request processor received an unknown GIOPMessageType.

Explanation: The IIOP Request Processor attempted to receive a reply from a target ORB but the data received had an unknown GIOPMessageType.

System action: Exception trace point 0722 is issued. See the system action for the DFHIII1nnn message that is issued after this message.

User response: Use trace to determine why the target ORB sent an unknown GIOPMessageType.

Module: DFHIIRP

XMEOUT Parameters: date, time, applid

Destination: CIIL
DFHII0246E  date  time  applid  The request processor received an unexpected GIOPFragment.

Explanation:  The IIOP Request Processor attempted to receive a reply from a target ORB. The data received had a GIOPMessageType of GIOPFragment but no earlier GIOPHeader was received with the 'more fragments to follow' bit on.

System action:  Exception trace point 0723 is issued. See the system action for the DFHII1nnn message that is issued after this message.

User response:  Use trace to determine why the target ORB sent a GIOPFragment without sending an earlier message indicating that a fragment is to follow.

Module:  DFHIIRP

XMEOUT Parameters:  date, time, applid

Destination:  CIIL

DFHII0247E  date  time  applid  The request processor is unable to receive a reply from a target ORB | request from the Request Receiver.

Reason:  {ABEND, Request Stream closed, Timeout.}

Explanation:  The IIOP Request Processor attempted to await the arrival of a request from the Request Receiver or a reply from a target ORB but was notified that the data was not available. Reason is set from the notify status.

System action:  Exception trace point 070E is issued. See the system action for the DFHII1nnn message that is issued after this message.

User response:  Use trace to determine why the failure occurred. Trace point 070E Data 3 contains listen_data which contains the Request Stream token. The listen_data also contains the requestID of the request expecting a reply if the notification was for a reply. A reason of ABEND indicates that the request stream detected an abend in the Request Receiver or target ORB. A reason of Request Stream closed indicates that the Request Stream closed abnormally. A reason of TIMEOUT when failing to receive a request, indicates that the RTIMOUT value in the profile for the Request Processor transaction has been exceeded. A reason of TIMEOUT when failing to receive a reply, indicates that the RTIMOUT value in the DFHCICSI profile has been exceeded.

Module:  DFHIIRP

XMEOUT Parameters:  date, time, applid, {1=reply from a target ORB, 2=request from the Request Receiver}, {1=ABEND, 2=Request Stream closed, 3=Timeout.}

Destination:  CIIL

DFHII0248E  date  time  applid  The request processor may have been started invalidly.

Explanation:  The IIOP Request Processor program DFHIIRP was unable to find its current request stream. This may be because a transaction specifying DFJIIRP was initiated from the wrong place.

System action:  See the system action for the DFHII1nnn message that is issued after this message.

User response:  Use trace to find which transaction caused DFJIIRP to be called and find where it was initiated. If it was not initiated by the request stream domain then it may have been initiated from a terminal which is not allowed. Another possibility is that an IIOP TCPIPSERVICE definition mistakenly has a transaction parameter of CIRP where it should have CIRR or the customer equivalents. If, however, it was initiated by the request stream domain then further investigation of the trace is needed.

Module:  DFHIIRP

XMEOUT Parameters:  date, time, applid

Destination:  CIIL

DFHII0249E  date  time  applid  The Request Processor received a reply which indicated that a fragment is expected. This is not supported for GIOP 1.1 and earlier.

Explanation:  The IIOP Request Processor received a GIOP 1.1 (or earlier) reply header from a target orb with the 'fragment expected' bit on. CICS does not support fragments for GIOP 1.1.

System action:  Exception trace point 0727 is issued.

User response:  Find why the target ORB is sending fragments.

Module:  DFHIIRP

XMEOUT Parameters:  date, time, applid

Destination:  CIIL

DFHII0250E  date  time  applid  The request processor received an invalid reply fragment.

Explanation:  The IIOP Request Processor issued a receive_reply to receive a fragment from a target ORB but the reply header did not contain the same requestId as the first fragment.

System action:  Exception trace point 0728 is issued.

User response:  Use trace to determine why the requestId changed. Each fragment within a reply should contain the same requestId.

Module:  DFHIIRP

XMEOUT Parameters:  date, time, applid, {1=reply from a target ORB, 2=request from the Request Receiver}, {1=ABEND, 2=Request Stream closed, 3=Timeout.}
The request receiver received a GIOP fragment whose length is not divisible by 8.

Explanation: The IIOP Request Receiver received a request or locate request which indicated that further fragments are to follow. However, the length of the GIOP header plus the length of the message is not divisible by 8.

System action: Exception trace point 0135 is issued. Outstanding replies are processed. A messageError is sent to the client. The socket is closed and the transaction terminated.

User response: Determine why the client sent a fragment that contained an invalid length. In GIOP 1.2 and above each fragment except the last must have a total length that is divisible by 8.

Data 2 in the exception trace point entry contains the first fragment's GIOP header and request header.

Module: DFHIIIRP
XMEOUT Parameters: date, time, applid
Destination: CIIL

The request processor received a fragmented reply whose length is not divisible by 8.

Explanation: The IIOP Request Processor issued a receive_reply to receive a fragment from target ORB but the message_length plus the length of the GIOP header was not divisible by 8.

System action: Exception trace point 071E is issued. See the system action for the DFHII1nnn message that is issued after this message.

User response: Use trace to determine why the client ORB sent a fragment with an invalid length.

Module: DFHIIIRP
XMEOUT Parameters: date, time, applid
Destination: CIIL

The CICS ORB failed to find the requested plugin.

Explanation: The CICS ORB attempted to instantiate the requested plugin class but the ORB could not find this class on the current classpath.

System action: The plugin is not loaded.

Module: DFHIIMM
XMEOUT Parameters: date, time, applid, rqmodelname
Destination: CIIL
DFHII0501E  date time applid  The II command processor is unable to run program DFJIIRP.

Explanation:  DFHIICP has been called to link to program DFJIIRP however the link failed.

System action:  The system continues normally.

User response:  If there is a DFHSJ message indicating that there is a jvmprofile problem then take the necessary action. If there is a DFHPG message referring to DFJIIRP then take the necessary action.

This message could also occur if you are attempting to operate on resources requiring a JVM, for example CORBASERVERs or DJARs, from within a JVM program.

Otherwise use trace to determine why the DFHPGLE link failed or examine the DFJIIRP program definition. For instance the DFJIIRP program definition might be disabled.

Module:  DFHIICP

XMEOUT Parameters:  date, time, applid

Destination:  CIIL

DFHII0601E  date time applid  The request receiver received a request with a basic authentication security context. The request is rejected because {the userid is too long | the password is too long | of an invalid msgType | the sessionId already exists | the sessionId is not found | of a malformed context | unused | the version is invalid}

Explanation:  The IIOP Request Receiver received a request which contained a basic authentication security context. DFHIIRS was processing the security context but found the error identified in the message.

System action:  Exception trace point in the range II 0900-09FF is issued. Message DFHII0223 is issued. Outstanding replies are processed. A systemException containing a modified security context and a string of NO_PERMISSION, MARSHAL or INTERNAL is sent to the client. The socket is closed and the transaction terminated.

User response:  If the problem is caused by a security violation determine which client caused the problem.

If the problem is an operational one take the necessary steps to allow the security process to work.

Message DFHII0223 contains the TCPIP service name and the client IP address.

Module:  DFHIIRS

XMEOUT Parameters:  date, time, applid, 1=the userid is too long, 2=the password is too long, 3=of an invalid msgType, 4=the sessionId already exists, 5=the sessionId is not found, 6=of a malformed context, 7=unused, 8=the version is invalid

Destination:  CIIL

DFHII0602E  date time applid  The request receiver received a request with a basic authentication security context. The request is rejected because {the ESM inactive | CICS security is inactive | of an unknown ESM error | the command is not authorised | the password is not authorised | the userid is undefined | the password has expired | the userid has been revoked | of a userid format error | the applid is not authorised | of an unexpected return code}

Explanation:  The IIOP Request Receiver received a request which contained a basic authentication security context. DFHIIRS was processing the security context but found the error identified in the message.

System action:  Exception trace point in the range II 0900-09FF is issued. Message DFHII0223 is issued. Outstanding replies are processed. A systemException containing a modified security context and a string of NO_PERMISSION, MARSHAL or INTERNAL is sent to the client. The socket is closed and the transaction terminated.

User response:  If the problem is caused by a security violation determine which client caused the problem.

If the problem is an operational one take the necessary steps to allow the security process to work.

Message DFHII0223 contains the TCPIP service name and the client IP address.

Module:  DFHIIRS

XMEOUT Parameters:  date, time, applid, 1=the ESM inactive, 2=CICS security is inactive, 3=of an unknown ESM error, 4=the command is not authorised, 5=the password is not authorised, 6=the userid is undefined, 7=the password has expired, 8=the userid has been revoked, 9=of a userid format error, 10=the applid is not authorised, 11=of an unexpected return code

Destination:  CIIL

DFHII0603E  date time applid  The request receiver received a request with an asserted identity security context. The request is rejected because {of an invalid msgType | the userid is too long | of an invalid credType | it contains an invalid length | the version is invalid}.

Explanation:  The IIOP Request Receiver received a request which contained an asserted identity security context. DFHIIRS was processing the security context but found the error identified in the message.

System action:  Exception trace point in the range II
0900-09FF is issued. Message DFHII0223 is issued. Outstanding replies are processed. A SystemException containing a modified security context and a string of MARSHAL or INTERNAL is sent to the client. The socket is closed and the transaction terminated.

**User response:** Use trace to examine the security context contained within the client causing the violation.

Message DFHII0223 contains the TCPIP service name and the client IP address.

Determine whether the source of the problem is within the client sending the context or within this CICS system.

**Module:** DFHIIRS

**XMEOUT Parameters:** date, time, applid, {1=CICS security is inactive, 2=the userid is undefined, 3=the userid is not determined, 4=the ESM is inactive, 5=the ESM is not present, 6=the command is not authorised, 7=the XSRC resource name is invalid, 8=the XSRC class is not found, 9=the XSRC reason is not expected}

**Destination:** CIIL

**Explanation:** The IIOP Request Receiver received a request which contained an asserted identity security context. DFHIIRS was processing the security context but found the error identified in the message.

**System action:** Exception trace point in the range II 0900-09FF is issued. Message DFHII0223 is issued. Outstanding replies are processed. A SystemException containing a modified security context and a string of NO_PERMISSION, MARSHAL or INTERNAL is sent to the client. The socket is closed and the transaction terminated.

**User response:** If the problem is caused by a security violation determine which client caused the problem.

If the problem is an operational one take the necessary steps to allow the security process to work.

Message DFHII0223 contains the TCPIP service name and the client IP address.

**Module:** DFHIIRS

**XMEOUT Parameters:** date, time, applid, {1=CICS security is inactive, 2=the userid is undefined, 3=the userid is not determined, 4=the ESM is inactive, 5=the ESM is not present, 6=the command is not authorised, 7=the XSRC resource name is invalid, 8=the XSRC class is not found, 9=the XSRC reason is not expected}

**Destination:** CIIL

**Explanation:** An internal logic error desc was detected in method methodName of class className of the IIOP RequestProcessor.

**System action:** An II domain exception trace entry is made and a system dump requested. The RequestProcessor terminates abnormally.

**User response:** Use the trace and dump to determine the cause of the problem. If the problem persists you may need to contact your IBM support representative.

**Module:** com.ibm.cics.iiop.RequestProcessor

**XMEOUT Parameters:** date, time, applid, className, methodName, desc

**Destination:** CIIL

**Explanation:** A severe error, identified by the string desc, was detected by the IIOP RequestProcessor. This is usually related to a Java Throwable, th.

**System action:** An II domain exception trace entry is made and a system dump requested. The RequestProcessor terminates abnormally.

**User response:** Use the trace, dump and any previous messages to determine the cause of the problem. If the problem persists you may need to contact your IBM support representative.

**Module:** com.ibm.cics.iiop.RequestProcessor

**XMEOUT Parameters:** date, time, applid, desc, th

**Destination:** CIIL

**Explanation:** An EJ domain INQUIRE_LOGICAL_SERVER command for this RequestProcessor's LogicalServer was issued by the setAttributesFromIILS method during RequestProcessor initialization. The call resulted in error e.

**System action:** An II domain exception trace is issued and RequestProcessor initialization is terminated.

**User response:** Ensure that a CORBASERVER definition for LogicalServer serverName is available in the CICS region.

**Module:** com.ibm.cics.iiop.LogicalServerImpl
DFHII1003E • DFHII1007E

**XMEOUT Parameters:** date, time, applid, e, serverName

**Destination:** CIIL

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**DFHII1003E**

**date time applid LogicalServerPlugin load failure e for class className.**

**Explanation:** The LogicalServerPluginRegistry received exception e attempting to instantiate LogicalServerPlugin class className. A possible cause of this error is that the class is missing from the class path for this RequestProcessor program. This could be due to a missing, corrupt or inaccessible CICS jar file.

**System action:** An II domain exception trace is issued and a CORBA::OBJECT_NOT_EXIST exception is returned to the caller.

**User response:** Use the message and/or trace to determine the class in error and ensure that it is available to the RequestProcessor on the class path.

**Module:** com.ibm.cics.iiop.LogicalServerPluginRegistry

**XMEOUT Parameters:** date, time, applid, e, className

**Destination:** CIIL

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**DFHII1004E**

**date time applid Exception e creating object of class javaClassName for OMG interface interfaceName.**

**Explanation:** The create_object method of the CICS CosLifeCycle GenericFactory implementation determined that an object of class javaClassName could implement OMG interface interfaceName, but it failed to instantiate such an object.

Common causes of this message are:-

- the named class cannot be found on the application CLASSPATH for this RequestProcessor program.
- the named class does not contain a public default constructor.

**System action:** An II domain exception trace is issued and a CORBA::OBJECT_NOT_EXIST exception is returned to the caller.

**User response:** Correct the CLASSPATH if necessary and/or inspect the exception data recorded in the trace data set.

**Module:** com.ibm.cics.iiop.cso._GenericFactoryImpl

**XMEOUT Parameters:** date, time, applid, e, javaClassName, interfaceName

**Destination:** CIIL

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**DFHII1005E**

**date time applid Exception e writing IOR file fileName.**

**Explanation:** The command processor for CORBA stateless objects was invoked during a CORBA server publish operation to make the GenericFactory IOR file available. An attempt to write to file fileName from method writeToFile in class PublishLogicalServerCommand failed with exception e.

**System action:** An IILS_EXCEPTION with reason IILS_SHELF_ACCESS_ERROR is returned to the caller.

**User response:** Correct the HFS access available to the CICS job and reissue publish.

**Module:** com.ibm.cics.iiop.cso.PublishLogicalServerCommand

**XMEOUT Parameters:** date, time, applid, e, fileName

**Destination:** CIIL

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**DFHII1006E**

**date time applid Unknown object adapter oa in object key.**

**Explanation:** The CICS ObjectResolver implementation, RootOAImpl, has received an ObjectKey from the ORB containing an unrecognisable ObjectAdapter name oa. This could be caused by invalid input data or a CICS code error.

**System action:** An II domain exception trace is made and a system dump requested. The ObjectResolver throws NoSuchObjectException to the ORB which returns CORBA::OBJECT_NOT_EXIST to the client.

**User response:** Use the trace and dump to determine the cause of the problem. Data-2 in the exception trace entry contains the UserKey part of the ObjectKey. Data-3 in the exception trace entry contains the ObjectAdapter name extracted from it. This ObjectAdapter name should either be an internal CICS adapter name, beginning with the letters DFH, or be the name of the CORBASERVER, padded as necessary with EBCDIC blanks, for which this RequestProcessor is active.

**Module:** com.ibm.cics.iiop.oa.RootOAImpl

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**DFHII1007E**

**date time applid Exception e creating object of class className.**

**Explanation:** CorbaStatelessManager, the servant manager for CORBA stateless objects, failed to instantiate or register an object of class className due to exception e. A possible cause of this message is that the named class cannot be found on the application CLASSPATH for this RequestProcessor program.

**System action:** An II domain exception trace is issued and a CORBA::OBJECT_NOT_EXIST exception is returned to the caller.

**User response:** Correct the CLASSPATH if necessary and/or inspect the exception data recorded in the trace data set.

**Module:** com.ibm.cics.iiop.cso.CorbaStatelessManager

**XMEOUT Parameters:** date, time, applid, e, className

**Destination:** CIIL
DFHII1008E  date time applid Exception e creating UserKey.

Explanation: The CICS ObjectResolver implementation, RootOAImpl, received an unexpected exception e creating a UserKey object from the input byte array. The byte array is passed to the ObjectResolver by the ORB. It is the object resolver defined part of the UserKey known as the UserKey. The constructor of the UserKey class was unable to map the byte array into the fields of a UserKey object. This could be caused by invalid EJB or Corba object reference.

This may happen if you use multiple versions of CICS. If a CICS region performs a JNDI operation to a location previously published to by a later version of CICS with the same CORBASERVER resource name and TCPIIP host name then this message is likely to be issued.

System action: An II domain exception trace is made. The ObjectResolver throws NoSuchObjectException to the ORB which returns CORBA::OBJECT_NOT_EXIST to the caller.

User response: If this message was issued whilst processing a JNDI operation then retract the existing JNDI object reference using the same version of CICS that was originally used to publish the reference.

If this message was issued whilst processing a GIOP request then use the trace and dump to determine the cause of the problem. Data-2 in the exception trace entry contains the UserKey part of the ObjectKey. Data-3 in the exception trace entry contains a stack trace of the exception.

Module: com.ibm.cics.iop.orb.RootOAImpl

XMEOUT Parameters: date, time,applid, e

Destination: CIIL

DFHII1009E  date time applid Failure dr issuing IIRP invoke.

Explanation: An unexpected failure dr occurred issuing an IIRP invoke request on an outbound RequestStream.

System action: An II domain exception trace entry is made. For an Exception response, the CICSSourceOutputStream throws a java.io.IOException and a CORBA::COMM_FAILURE is returned to the client. For Disaster or Invalid responses, a system dump will have already been requested by IIRP. The CICSSourceOutputStream throws a com.ibm.cics.iop.RequestProcessorRuntimeException. In both cases, the RequestProcessor terminates abnormally since it cannot reply to the client.

User response: Use trace and dump to determine the cause of the failure. If the problem persists you may need to contact your IBM support representative.

Module: com.ibm.cics.iop.orb.CICSSourceOutputStream

XMEOUT Parameters: date, time,applid, dr

Destination: CIIL

DFHII1010E  date time applid Failure dr receiving request from IIRP.

Explanation: An unexpected failure dr occurred receiving a request from the RequestStream of which this RequestProcessor is the target.

System action: An II domain exception trace entry is made. For an Exception response, the CICSTargetInputStream throws a java.io.IOException. For Disaster or Invalid responses, a system dump will have already been requested by IIRP. The CICSTargetInputStream throws a com.ibm.cics.iop.RequestProcessorRuntimeException. In both cases, the RequestProcessor terminates abnormally since it cannot reply to the client.

User response: Use trace and dump to determine the cause of the failure. If the problem persists you may need to contact your IBM support representative.

Module: com.ibm.cics.iop.orb.CICSTargetInputStream

XMEOUT Parameters: date, time,applid, dr

Destination: CIIL

DFHII1011E  date time applid Failure dr sending a reply to IIRP.

Explanation: An unexpected failure dr occurred sending a reply to the RequestStream of which this RequestProcessor is the target.

System action: An II domain exception trace entry is made. For an Exception response, the CICSTargetOutputStream throws a java.io.IOException. For Disaster or Invalid responses, a system dump will have already been requested by IIRP. The CICSTargetOutputStream throws a com.ibm.cics.iop.RequestProcessorRuntimeException. In both cases, the RequestProcessor terminates abnormally since it cannot reply to the client.

User response: Use trace and dump to determine the cause of the failure. If the problem persists you may need to contact your IBM support representative.

Module: com.ibm.cics.iop.orb.CICSTargetOutputStream

XMEOUT Parameters: date, time,applid, dr

Destination: CIIL
**DFHII1012E • DFHII1015E**

**DFHII1012E** date time applid Failure dr receiving reply from IIRP.

**Explanation:** An unexpected failure dr occurred receiving a reply from an outbound RequestStream.

**System action:** An II domain exception trace entry is made. For an Exception response, the CICSSourceInputStream throws a java.io.IOException and a CORBA::COMM_FAILURE is returned to the client. For Disaster or Invalid responses, a system dump will have already been requested by IIRP. The CICSSourceInputStream throws a com.ibm.cics.iiopt.RequestProcessorRuntimeException and the RequestProcessor terminates abnormally.

**User response:** Use trace and dump to determine the cause of the failure. If the problem persists you may need to contact your IBM support representative.

**Module:** com.ibm.cics.iiopt.orb.CICSSourceInputStream

**XMEOUT Parameters:** date, time, applid, dr

**Destination:** CIIL

---

**DFHII1013E** date time applid Failure establishing connection to host host port port. Reason is: exception.

**Explanation:** An unexpected failure exception occurred attempting to create an outbound RequestStream to host host port port. This problem usually implies the remote process is not currently active, a firewall has blocked the outbound request or that there is a mistake in either the hostname or port number specified.

If the response is Exception and the reason is Service_Not_Available, but the hostname is valid then this may be an error caused by a name server failure. This may be a transient failure or a configuration error.

**System action:** An II domain exception trace entry is made. For an Exception response, the CICSSourceInputStream causes a CORBA::COMM_FAILURE to be returned to the client. For Disaster or Invalid responses, a system dump will have already been requested by RZ domain. The CICSSourceInputStream throws a com.ibm.cics.iiopt.RequestProcessorRuntimeException and the RequestProcessor terminates abnormally.

**User response:** Ensure that the remote process is active and able to receive inbound messages from the network. Ensure that the hostname and port number in use are correct. If you are still experiencing a problem then consider using trace and dump to determine the cause of the failure.

If the problem persists you may need to contact your IBM support representative.

**Module:** com.ibm.cics.iiopt.orb.CICSSourceInputStream

**XMEOUT Parameters:** date, time, applid, exception, host, port

**Destination:** CIIL

---

**DFHII1014E** date time applid Invalid SSL type connSsl used for connection to CORBASERVER serverName, with SSL serverSsl.

**Explanation:** The SSL type connSsl received in a CICSSourceInputStream throws a java.io.IOException and a CORBA::COMM_FAILURE is returned to the client. The data in a CICSSourceInputStream is derived from the TCPIPSERVICE in the listener region, by the RequestReceiver. This problem can occur if the CORBASERVER definition is ALTERed but not PUBLISHed, that is, IORs from a previous configuration are still in use.

**System action:** An II domain exception trace entry is made, a com.ibm.cics.iiopt.RequestProcessorRuntimeException is thrown and the RequestProcessor terminates abnormally.

**User response:** Ensure that the IORs in use match the currently active CORBASERVER definitions.

**Module:** com.ibm.cics.iiopt.LogicalServerImpl

**XMEOUT Parameters:** date, time, applid, connSsl, serverName, serverSsl

**Destination:** CIIL

---

**DFHII1015E** date time applid Invalid port number connPort used for sslType connection to CORBASERVER serverName, with PORT port, SSLPORT sslPort.

**Explanation:** The listenerPort connPort received in a CICSSourceInputStream throws a java.io.IOException and a CORBA::COMM_FAILURE is returned to the client. The data in a CICSSourceInputStream is derived from the TCPIPSERVICE in the listener region, by the RequestReceiver. This problem can occur if the CORBASERVER definition is ALTERed but not PUBLISHed, that is, IORs from a previous configuration are still in use.

**System action:** An II domain exception trace entry is made, a com.ibm.cics.iiopt.RequestProcessorRuntimeException is thrown and the RequestProcessor terminates abnormally.

**User response:** Ensure that the IORs in use match the currently active CORBASERVER definitions.

**Module:** com.ibm.cics.iiopt.LogicalServerImpl

**XMEOUT Parameters:** date, time, applid, connPort,
DFHII1016E  date time applid Failure obtaining JNDI context for CORBASERVER serverName, prefix jndiPrefix at level prefixPart.
Exception exc was received.

Explanation: An exception exc was returned during creation of the JNDI Context for publication of an object reference from CORBASERVER serverName to the name server. A JNDI context is created during a DJAR or CORBASERVER PUBLISH operation. Objects are published to the subcontext defined by the JNDI prefix jndiPrefix attribute of the CORBASERVER, or to the Initial, or root, Context if no JNDI prefix value is given. The prefixPart value gives the level in the context hierarchy at which the error occurred. This problem may occur if CICS is unable to access the name server. It could also occur if some object, for example a bean, had been published previously with the same fully qualified name as that of the JNDI prefix, that is named jndiPrefix. It can occur if using a LDAP nameserver if the JNDI prefix is particularly long.

System action: No objects are published to JNDI.

User response: Check that the JNDI System properties for this PROGRAM are specified correctly and that the name server is active. If you need to change a System property, it is also necessary to reinstall the target CORBASERVER. If there is a naming conflict, either retract the previously published object or alter the JNDIPREFIX parameter of the CORBASERVER and reINSTALL it. If using a LDAP nameserver then CICS can encounter problems with very long JNDI prefixes being specified for CorbaServers since they can violate the schema in use on the LDAP server. If this message indicates a LDAP schema violation has occurred then it is advisable to shorten your JNDI prefix. Retry the PUBLISH operation.

Module: com.ibm.cics.iop.LogicalServerImpl
XMEOUT Parameters: date, time,applid, prefixPart, exc

Destination: CIIL

DFHII1018E  date time applid Failed to bind CORBA stateless GenericFactory for CORBASERVER serverName to JNDI subcontext jndiPrefix as jndiName.
Exception exc was received.

Explanation: An exception exc was returned by JNDI during a rebind of the CICS org.omg.CosLifeCycle GenericFactory implementation for CORBASERVER serverName to the JNDI subcontext at jndiPrefix. This operation is performed during a CORBASERVER PUBLISH operation.

System action: The GenericFactory object is not published to JNDI.

User response: Ensure the JNDI name server is available to CICS, reinstall the CORBASERVER and reissue the PUBLISH command.

Module: com.ibm.cics.iop.cso.PublishLogicalServerCommand
XMEOUT Parameters: date, time,applid, serverName, jndiPrefix,jndiName, exc

Destination: CIIL

DFHII1019I  date time applid CORBA stateless GenericFactory for CORBASERVER serverName bound to JNDI subcontext jndiPrefix as jndiName.

Explanation: The CICS org.omg.CosLifeCycle GenericFactory implementation for CORBASERVER serverName was successfully rebound to the JNDI subcontext at jndiPrefix. This operation is performed during a CORBASERVER PUBLISH operation.

System action: The CORBASERVER PUBLISH completes normally.

User response: None.

Module: com.ibm.cics.iop.cso.PublishLogicalServerCommand
XMEOUT Parameters: date, time,applid, serverName, jndiPrefix,jndiName

Destination: CIIL

DFHII1020E  date time applid Failed to create HFS shelf shelfName for CORBASERVER serverName.

Explanation: An attempt to create shelf shelfName for CORBASERVER serverName failed. This operation is...
performed during a CORBASERVER INSTALL operation.

System action: The CORBASERVER is not installed.

User response: Ensure CICS has the required HFS access, and that a directory of this name does not already exist, and reinstall the CORBASERVER.

Module: com.ibm.cics.iiopto.AddLogicalServerCommand

XMEOUT Parameters: date, time, applid, shelfName, serverName

Destination: CIIL

DFHII1021E date time applid Failed to unbind CORBA stateless GenericFactory for CORBASERVER serverName from JNDI subcontext jndiPrefix. Exception received exc.

Explanation: An exception exc was returned by JNDI during an unbind of the CICS org.omg.CosLifeCycle GenericFactory implementation for CORBASERVER serverName from the JNDI subcontext at jndiPrefix. This operation is performed during a CORBASERVER RETRACT operation.

System action: The GenericFactory object is not retracted from JNDI.

User response: Ensure the JNDI name server is available to CICS and that the CORBASERVER has not been retracted from another AOR.

Module: com.ibm.cics.iiopto.RettractLogicalServerCommand

XMEOUT Parameters: date, time, applid, fileNname, serverName

Destination: CIIL

DFHII1023E date time applid Failed to delete GenericFactory IOR file fileName from the shelf of CORBASERVER serverName.

Explanation: The command processor for CORBA stateless objects was invoked during a CORBASERVER RETRACT operation to delete the GenericFactory IOR file. It was unable to delete the file, named fileName. This problem may occur if the CICS job has insufficient HFS access.

System action: The RETRACT continues normally.

User response: Ensure CICS has sufficient HFS access and reissue retract.

Module: com.ibm.cics.iiopto.RettractLogicalServerCommand

XMEOUT Parameters: date, time, applid, fileName, serverName

Destination: CIIL

DFHII1024E date time applid Failed to delete HFS shelf shelfName for CORBASERVER serverName.

Explanation: An attempt to delete shelf shelfName for CORBASERVER serverName failed. The shelf is a directory on this region's HFS. This operation is performed during a CORBASERVER DISCARD operation.

System action: The CORBASERVER is discarded.

User response: If a directory of this name does not exist on HFS, this is probably due to a previous install failure and may be ignored. If a directory of this name does exist, check that CICS has the required HFS access and delete the directory manually; it will need to be removed before the CORBASERVER can be reinstalled.

Module: com.ibm.cics.iiopto.LogicalServerImpl

XMEOUT Parameters: date, time, applid, shelfName, serverName, jndiPrefix

Destination: CIIL
DFHII1026E  date time applid CORBASERVER serverName not installed.

Explanation: A definition for CORBASERVER serverName could not be found in this CICS region. This condition can occur if an Enterprise Bean or IIOP method request is received before the CORBASERVER to which the target object relates is installed. Another possible reason for the condition is that the referenced CORBASERVER is no longer valid and an old object reference is being used by the client.

System action: The request is rejected with a CORBA exception.

User response: Install the CORBASERVER or update the object reference (IOR) and retry the request.

Module: com.ibm.cics.iop.RequestProcessor
XMEOUT Parameters: date, time,applid, serverName
Destination: CIIL

DFHII1027I  date time applid CORBA stateless GenericFactory for CORBASERVER serverName written to the shelf as fileName.

Explanation: The command processor for CORBA stateless objects was invoked during a CORBA server PUBLISH operation to make the GenericFactory IOR file available. The file was written to the HFS shelf of CORBASERVER serverName as file fileName.

System action: The PUBLISH operation continues.

User response: None.

Module: com.ibm.cics.iop.cso.PublishLogicalServerCommand
XMEOUT Parameters: date, time,applid, serverName, fileName
Destination: CIIL

DFHII1028W  date time applid Name server not defined for CORBASERVER serverName being initialized for PROGRAM pgmName.

Explanation: No name service system properties are defined for PROGRAM pgmName.

System action: The ORB configured for CORBASERVER serverName in this JVM will not be able to access JNDI. JNDI requests from objects in CORBASERVER serverName will fail if they are issued from a program using, or reusing, this JVM.

User response: If objects in this CORBASERVER need to use JNDI, define the name service in the com.ibm.cics.ejb.nameserver property, or set the com.ibm.CORBA.InitialReferencesURL property, in the system properties file available to PROGRAM pgmName. The system properties file is defined in the JVMPROPS parameter of the PROGRAM's JVMPROFILE. The CORBASERVER should then be DISCARDed and reINSTALLed.

Module: com.ibm.cics.iop.orb.ORBFactory
XMEOUT Parameters: date, time,applid, serverName, pgmName
Destination: CIIL

DFHII1029I  date time applid CORBA stateless GenericFactory file fileName deleted from the shelf of CORBASERVER serverName.

Explanation: The command processor for CORBA stateless objects was invoked during a CORBA server RETRACT operation to delete the GenericFactory IOR file. File fileName was deleted from the HFS shelf of CORBASERVER serverName.

System action: The RETRACT operation continues.

User response: None.

Module: com.ibm.cics.iop.cso.RetractLogicalServerCommand
XMEOUT Parameters: date, time,applid, fileName, serverName
Destination: CIIL

DFHII1030W  date time applid CORBA stateless GenericFactory for CORBASERVER serverName not found at JNDI subcontext jndiPrefix.

Explanation: During CORBASERVER RETRACT, an attempt is made to unbind the CICS org.omg.CosLifeCycle.GenericFactory implementation from the name server. When this was attempted during RETRACT of CORBASERVER serverName, the GenericFactory was not found at JNDI subcontext jndiPrefix. It is likely that the CORBASERVER has been RETRACTed from another CICS region, or the name server has been cleared, since the last CORBASERVER PUBLISH.

System action: The CORBASERVER RETRACT completes normally.

User response: None.

Module: com.ibm.cics.iop.cso.RetractLogicalServerCommand
XMEOUT Parameters: date, time,applid, serverName, jndiPrefix
DFHII1031E  Date time applid Unable to obtain JNDI InitialContext jndiPrefix for CORBASERVER serverName.

Explanation: CICS failed to obtain the JNDI InitialContext for CORBASERVER serverName whose jndiPrefix is defined as jndiPrefix. This can occur if the name server is unavailable or incorrectly configured. Some JNDI servers are sensitive to the presence or absence of a trailing ‘/’ character following the jndiPrefix.

System action: The JNDI operation fails.

User response: Ensure the name server is available to CICS and correctly configured. Attempt the operation again.

Module: com.ibm.cics.iiop.LogicalServerImpl

XMEOUT Parameters: date, time, applid, jndiPrefix, serverName

Destination: CIIL

DFHII1032I  Date time applid JNDI subcontext subcontext created during processing of CORBASERVER serverName.

Explanation: During processing of CORBASERVER serverName, the subcontext subcontext was created on the name server. This will occur during CORBASERVER PUBLISH processing for any parts of the subcontext that did not previously exist.

System action: Processing continues.

User response: None.

Module: com.ibm.cics.iiop.LogicalServerImpl

XMEOUT Parameters: date, time, applid, subContext, serverName

Destination: CIIL

DFHII1033I  Date time applid JNDI subcontext subContext for CORBASERVER serverName not found during RETRACT.

Explanation: JNDI subcontext subContext, defined for CORBASERVER serverName, was not found on the name server during a RETRACT operation. Since the subcontext does not exist, there is nothing to retract for this CORBASERVER, so no further JNDI processing is required.

System action: IILS RETRACT processing continues.

User response: None.

Module: com.ibm.cics.iiop.LogicalServerImpl

XMEOUT Parameters: date, time, applid, subContext, serverName

Destination: CIIL

DFHII1034E  Date time applid No write access to file fileName for creation of shelf shelfName.

Explanation: An attempt to create shelf shelfName failed because CICS is unable to modify file fileName. This operation is performed during a CORBASERVER INSTALL operation.

System action: Message DFHII1020 is also issued. The CORBASERVER is not installed.

User response: Ensure CICS has the required HFS access, and reinstall the CORBASERVER.

Module: com.ibm.cics.iiop.cso.AddLogicalServerCommand

XMEOUT Parameters: date, time, applid, fileName, shelfName

Destination: CIIL

DFHII1035W  Date time applid GenericFactory IOR file fileName not found on the shelf of CORBASERVER serverName.

Explanation: The command processor for CORBA stateless objects was invoked during a CORBASERVER RETRACT operation to delete the GenericFactory IOR file. The file, named fileName, did not exist. This is probably because the CORBASERVER was not PUBLISHed from this CICS region, or had already been RETRACTed.

System action: The RETRACT continues normally.

User response: None.

Module: com.ibm.cics.iiop.cso.RetractLogicalServerCommand

XMEOUT Parameters: date, time, applid, fileName, serverName

Destination: CIIL

DFHII1036W  Date time applid Unexpected ORB creation within the scope of CORBASERVER serverName for PROGRAM pgmName.

Explanation: A second or subsequent ORB is being created within a CORBASERVER environment. ORB initialization has detected that CORBASERVER serverName is currently active and, therefore, that ORB initialization is unexpected. This can occur if an application object issues ORB.init, either explicitly, or implicitly from, for example, a non-CICS JNDI initial context factory. This warning message is issued because the ORB being created will be limited to the functionality available to a CICS Java application ORB, for example...
• any interactions involving objects connected to this ORB are unable to participate in any distributed OTS transaction.
• this is a client only ORB. It has no inbound server connection; IORs exported by objects connected to this ORB are unusable.
• objects retrieved from JNDI using this ORB are handled as remote objects, even if they are from the active CORBASEVER.

System action: ORB initialization continues.

User response: If this situation has occurred inadvertently, through usage of the incorrect naming context factory, check that the javax.naming.Context.INITIAL_CONTEXT_FACTORY Property, javax.naming.factory.initial, has not been overridden. It should be allowed to default to com.ibm.ejs.ns.jndi.CNInitialContextFactory. This property can be set as a system property by an authorized application, or in the system properties file available to PROGRAM pgmName. The system properties file is defined in the JVMPROPS parameter of the PROGRAM's JVMPROFILE. The Property can also be passed as a parameter to the InitialContext constructor.

If this situation has occurred inadvertently, through explicit usage of ORB.init, it would normally be preferable for an application to gain access to the ORB that has already been created for the CORBASEVER. CORBA objects can obtain such a reference using the org.omg.CORBA.portable.ObjectImpl _orb() method.

EJB objects can obtain a reference to the current ORB by issuing a JNDI lookup of ‘java:comp/ORB’ using the default initial JNDI context. For example

String ORBStr = "java:comp/ORB";
javax.naming.Context initCtx = new javax.naming.InitialContext(); org.omg.CORBA.ORB curORB = (org.omg.CORBA.ORB) initCtx.lookup(ORBStr);

Module: com.ibm.cics.iop.org.ORB

XMEOUT Parameters: date, time,applid, serverName, pgmName

Destination: CIIL

DFHII1037E date time applid CORBASEVER serverName has received a request with AUTHTYPE authType. The attrName attribute in the request has a value of (value1) which does not match the value (value2) configured for the CORBASEVER.

Explanation: A request has been received for a connection to CORBASEVER serverName with AUTHTYPE authType. However, there is a mismatch between one of the attributes in the request and the corresponding attribute of the configured CORBASEVER or TCPIPIService. The attribute will be one of:
1. TCPIPIService name.
2. Port number.
3. SSL type.

System action: An II domain exception trace entry is made, a com.ibm.cics.iop.RequestProcessorRuntimeException is thrown and the RequestProcessor terminates abnormally.

User response: Ensure that the attributes of the TCPIP services in the AOR region match those of the Listener region. If any attributes have changed, reinstall the changed definitions and republish the relevant DJAR/CORBASEVER to ensure that the IORs in use match the currently active CORBASEVER and TCPIPIService definitions.

Module: com.ibm.cics.iop.LogicalServerImpl

XMEOUT Parameters: date, time,applid, serverName, authType,attrName, value1, value2

Destination: CIIL
**DFHII1039E • DFHII1050W**

**DFHII1039E** date time applid Failure establishing connection to host host as unauthenticated connections are not supported. An attempt to establish a CSIv2 secure connection failed because:

1. CSIv2 security is not supported in the server
2. the server does not support the use of SSL/TLS
3. the server does not support client certification
4. a required capability is not supported by the server
5. the server requires something not supported by CICS
6. the server does not support identity assertion
7. the server does not support Principal Assertion
8. the server does not support GSSUP exported names.

**Explanation:** An attempt to establish a secure CSIv2 Asserted Identity connection to a remote server has failed. The IOR for the remote object is incompatible with CICS. This IOR may contain multiple different CSIv2 configurations. If this is the case then CICS has considered all of them and has determined that none of them are compatible with CICS. This message records the problem that was detected with the last of the identified CSIv2 profiles.

CICS has also determined that the remote server does not support unauthenticated connections.

**System action:** The attempt to connect to the remote object is rejected.

**User response:** In order for CICS to connect to the remote server CICS requires that it supports the use of client certified SSL/TLS. It must also support identity assertion, integrity and confidentiality. It must not require the use of forward trust evaluation.

**Module:** DFHIIRH

**XMEOUT Parameters:** date, time,applid, {1=CSIv2 security is not supported in the server, 2=the server does not support the use of SSL/TLS, 3=the server does not support client certification, 4=a required capability is not supported by the server, 5=the server requires something not supported by CICS, 6=the server does not support identity assertion, 7=the server does not support Principal Assertion, 8=the server does not support GSSUP exported names}

**Destination:** CIIL

**DFHII1050W** date time applid Maximum version of GIOP has not been specified. Defaulting to GIOP 1.1.

**Explanation:** The maximum version of the General Inter-ORB Protocol (GIOP) has not been configured or is invalid.

The maximum GIOP version is included in all CORBA object references exported by CICS. You can use the CICS Resource Manager for Enterprise Beans (RMEB) to discover which version of GIOP your published enterprise beans currently advertise.

CICS can support up to GIOP version 1.2. GIOP support in CICS TS 2.2 was limited to a maximum of GIOP version 1.1. If you have a distributed CorbaServer which contains both CICS TS 2.2 and newer CICS regions, it is important that the newer CICS regions do not advertise support for anything beyond GIOP 1.1.

You can set the maximum version of GIOP that CICS will use by setting the following environment variable in the CICS JVM properties file:

```
com.ibm.cics.ioip.MaxGIOPMinorVersion=<n> where <n> is either 1 or 2 representing GIOP 1.1 or GIOP 1.2.
```

It is recommended that all regions be set to use GIOP 1.2. GIOP 1.1 should only be set as the maximum supported version of GIOP if the CICS region is participating in a CorbaServer which includes CICS TS 2.2 regions.

**System action:** CICS defaults to compatibility mode for CORBA requests; the maximum version of GIOP advertised in published object references is GIOP 1.1.

**User response:** You can suppress this message by telling CICS the maximum GIOP version to use via the MaxGIOPMinorVersion property (see above).

**Module:** com.ibm.cics.ioip.LogicalServerImpl

**XMEOUT Parameters:** date, time,applid

**Destination:** CIIL
The indoubt tool is now active for DFHTCIND tranclass transactions.

Explanation: The indoubt tool is active and causes all units of work (UOWs) running under transactions defined to be in transaction class DFHTCIND to fail indoubt when they reach syncpoint.

A unit of work that fails indoubt is either shunted by the recovery manager domain or is unilaterally committed or unilaterally backed out by recovery manager. A unit of work is shunted if the transaction definition under which it is running specifies WAIT(yes) as an indoubt option, and the unit of work has not accessed any resources that force a unilateral decision to be taken.

System action: CICS processing continues with the indoubt tool active.

User response: None.

Module: DFHINDT

XMEOUT Parameters: date, time, applid, termid, userid

Destination: CSMT and Terminal End User

The indoubt tool is already active.

Explanation: A CIND ON request was issued to activate the indoubt tool but CICS has detected that the indoubt tool is already active.

System action: CICS processing continues with the indoubt tool active.

User response: None.

Module: DFHINDT

Destination: Terminal End User

The indoubt tool is active for DFHTCIND tranclass transactions.

Explanation: A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is active.

System action: CICS processing continues with the indoubt tool active.

User response: None.

Module: DFHINDT

Destination: Terminal End User

The indoubt tool is no longer active for DFHTCIND tranclass transactions.

Explanation: A CIND OFF request was issued to deactivate the indoubt tool. No more units of work (UOWs) running under transactions defined in tranclass DFHTCIND will fail indoubt when they reach syncpoint.

Existing transactions in the DFHTCIND tranclass that are currently running fail indoubt at syncpoint, but no new transactions in the DFHTCIND tranclass will fail indoubt.

System action: CICS processing continues with the indoubt tool inactive.

User response: None.

Module: DFHINDT

XMEOUT Parameters: date, time, applid, termid, userid

Destination: CSMT and Terminal End User

Initiation of resynchronization for units of work awaiting coordinator DFHINDSP is now complete.

Explanation: A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool has successfully initiated resynchronization of all units of work (UOWs) currently awaiting resynchronization with coordinator DFHINDSP.

User response: None.

Module: DFHINDT

Destination: Terminal End User
System action: Shunted UOWs awaiting the return of coordinator DFHINDSP are unshunted by the recovery manager (RM) domain. All participants in the UOW are notified of the outcome of the unit of work. The outcome of the unit of work is defined by the user of CIND, for example, CIND RESYNC COMMIT tells the RM domain to unshunt the UOWs and commit them. Likewise, CIND RESYNC BACKOUT tells the RM domain to backout the UOWs. Message DFHIN1012 is issued to transient data for each UOW resynchronized.

For UOWs awaiting the return of coordinator DFHINDSP which were not shunted, that is, they abended before syncpoint, or a unilateral decision was taken, a CIND RESYNC command merely results in message DFHIN1012 being issued to transient data. DFHIN1012 reports on whether this CICS system and DFHINDSP are synchronized.

User response: See the associated transient data DFHIN1012 messages.

Module: DFHINDT

XMEOUT Parameters: date, time,applid, termid, userid

Destination: CSMT and Terminal End User

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**DFHIN1008 • DFHIN1011**

**System action:**

Shunted UOWs awaiting the return of coordinator DFHINDSP are unshunted by the recovery manager (RM) domain. All participants in the UOW are notified of the outcome of the unit of work. The outcome of the unit of work is defined by the user of CIND, for example, CIND RESYNC COMMIT tells the RM domain to unshunt the UOWs and commit them. Likewise, CIND RESYNC BACKOUT tells the RM domain to backout the UOWs. Message DFHIN1012 is issued to transient data for each UOW resynchronized.

For UOWs awaiting the return of coordinator DFHINDSP which were not shunted, that is, they abended before syncpoint, or a unilateral decision was taken, a CIND RESYNC command merely results in message DFHIN1012 being issued to transient data. DFHIN1012 reports on whether this CICS system and DFHINDSP are synchronized.

User response: See the associated transient data DFHIN1012 messages.

Module: DFHINDT

XMEOUT Parameters: date, time,applid, termid, userid

Destination: CSMT and Terminal End User

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**DFHIN1008** date time applid Invalid CIND keyword.

Specify one of the following: ON, OFF, INQUIRE, RESYNC COMMIT, or RESYNC BACKOUT.

Explanation: The CIND transaction was invoked with an invalid keyword.

System action: CICS processing continues and the status of the indoubt tool is unchanged.

User response: Reinvoke the CIND transaction with the correct keyword.

Module: DFHINDT

Destination: Terminal End User

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**DFHIN1009** date time applid The indoubt tool has added coordinator link DFHINDSP to UOW X'uwoid' for transaction tranid task number taskno.

Explanation: The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. Coordinator DFHINDSP has been added to unit of work (UOW) so that the transaction will fail indoubt when a syncpoint is issued.

System action: The named transaction and UOW continue processing until it reaches syncpoint when it will fail indoubt.

User response: None.

Module: DFHINTRU

Destination: CSMT

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**DFHIN1010** date time applid Coordinator DFHINDSP is not available. The indoubt tool has caused RM domain to shunt UOW X'uwoid' for transaction tranid task number taskno.

Explanation: The named UOW for the named transaction and task has failed indoubt during a syncpoint request due to the indoubt tool.

System action: The recovery manager domain shunts the UOW, and then abends the transaction.

User response: To initiate an unshunt of the UOW, issue a CIND RESYNC command.

Module: DFHINDSP

XMEOUT Parameters: date, time,applid, X'uwoid', tranid, taskno

Destination: CSMT

---

**DFHIN1011** date time applid Coordinator DFHINDSP is not available, but UOW X'uwoid' for transaction tranid task number taskno is not indoubt and has not been shunted.

Explanation: UOW X'uwoid' for transaction tranid was not shunted, and is not indoubt despite being monitored by the indoubt tool. One of the following has occurred

- The unit of work abended before syncpoint.
- The unit of work was rolled back.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain was forced to take a unilateral decision instead of shunting the UOW.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain detected that the unit of work was read-only, that is, no recoverable resources were updated, and therefore no shunting was required.

System action: CICS processing continues.

User response: If the unit of work was abended, rolled back, or a unilateral decision was taken, recovery manager keeps the resolution of the unit of work pending the return of the coordinator DFHINDSP.

To synchronize the outcome of the UOW with coordinator DFHINDSP, issue a CIND RESYNC command.

Module: DFHINDSP

XMEOUT Parameters: date, time,applid, X'uwoid', tranid, taskno

Destination: CSMT
**DFHIN1012**  
*date time applid The indoubt tool is resynchronizing UOW 'X'uowid' for transaction tranid task number taskno. DFHINDSP coordinator UOW status is {commit. | backout.} Recovery manager UOW status is {commit. | backout. | heuristic commit. | heuristic backout.}*

**Explanation:** The unit of work X'uowid' for the named transaction and task has been resynchronized as a result of a CIND RESYNC command. The message reports the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain. The recovery manager domain also issues messages reporting whether or not the UOW is synchronized.

**System action:** CICS processing continues.

**User response:** None.

**Module:** DFHINDT

**XMEOUT Parameters:** date, time,applid, tranid, taskno, {1=commit., 2=backout.},{1=commit., 2=backout., 3=heuristic commit., 4=heuristic backout.}

**Destination:** CSMT

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**DFHIN1013**  
*date time applid termid userid No units of work awaiting resynchronization with coordinator DFHINDSP were found.*

**Explanation:** A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool did not find any units of work (UOWs) that were awaiting resynchronization with coordinator DFHINDSP.

**System action:** CICS processing continues.

**User response:** Before initiating resynchronization, the indoubt tool needs to be activated via command CIND ON, and transactions in tranclass DFHTCIND run to create indoubt units of work.

**Module:** DFHINDT

**XMEOUT Parameters:** date, time,applid, termid, userid

**Destination:** CSMT and Terminal End User

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**DFHIN1014**  
*date time applid The indoubt tool will not operate on transaction tranid task number taskno as it is an internal CICS system transaction.*

**Explanation:** The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. However it has also detected that the transaction is an internal CICS system transaction. CIND cannot be used on internal CICS system transactions.

**System action:** The named transaction and task continue processing and are not forced indoubt at syncpoint time.

**User response:** None.

**Module:** DFHINTRU

**XMEOUT Parameters:** date, time,applid, tranid, taskno

**Destination:** CSMT

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**DFHIN1015**  
*date time applid The Indoubt tool has already previously resynchronized UOW X'uowid' for transaction tranid task number taskno. DFHINDSP coordinator UOW status is {commit. | backout.} Recovery manager UOW status is {commit. | backout. | heuristic commit. | heuristic backout.}*

**Explanation:** The named unit of work (UOW) for the named transaction and task has already been resynchronized as a result of a previous CIND RESYNC command. The message documents the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain.

No messages are issued by the recovery manager domain in this case and no resynchronization takes place. Processing of a previous CIND RESYNC command did not complete fully before CICS failed. In particular, ‘forget processing’ whereby CICS removes DFHINDSP as a coordinator of the unit of work did not complete. This caused CICS to recover the unit of work on restart with DFHINDSP as coordinator, causing it to be processed by the subsequent CIND RESYNC command.

**System action:** CICS continues processing.

**User response:** None.

**Module:** DFHINDT

**XMEOUT Parameters:** date, time,applid, X'uowid', tranid, taskno, {1=commit., 2=backout.},{1=commit., 2=backout., 3=heuristic commit., 4=heuristic backout.}

**Destination:** CSMT
DFHIRnnnn messages

DFHIR2122  date time applid Intersystem session recovery. Database changes found to be synchronized. Original failure details Time=time. Remote system=sysid.
Intersystem terminal=termid.
Transaction=tranid. Task number=taskno.
Operator termid=termid.
Operator=operid. Unit of work ID=uowid

Explanation:  An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow-up to message DFHRM0107, (which may have been issued at the time of the failure if the session failed at a critical time during syncpoint processing).

System action:  Processing continues.

User response:  None.

Module:  DFHCRR

XMEOUT Parameters:  date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

Destination:  CSMT

DFHIR2123  date time applid Intersystem session recovery. Data base changes found to be out of sync. Original failure details:
Time=time. Remote system=sysid.
Intersystem terminal=termid.
Transaction=tranid. Task number=taskno.
Operator termid=termid.
Operator=operid. Unit of work ID=uowid

Explanation:  This message is issued as a follow-up to message DFHRM0107. The original failure information provides a cross-reference.

System action:  Processing continues.

User response:  Take user-defined action to resynchronize the local and remote databases.

Module:  DFHCRR

XMEOUT Parameters:  date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

Destination:  CSMT

DFHIR2124  date time applid Intersystem session recovery. Error when data base changes may be out of sync. Original failure details Time=time. Remote system=sysid.
Intersystem terminal=termid.
Transaction=tranid. Task number=taskno.
Operator termid=termid.
Operator=operid. Unit of work ID=uowid

Explanation:  This message is issued as a follow-up to message DFHRM0107. During session recovery, the system was unable to determine whether database changes were out of synchronization.

System action:  Processing continues.

User response:  Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Module:  DFHCRR

XMEOUT Parameters:  date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

Destination:  CSMT

DFHIR2321  applid MRO/IRC Communication being Terminated. Session(s) with the following Netname(s) are still Active

Explanation:  CICS is attempting to close MRO/IRC communication. This message is normally followed by the netname of each session that is still active, and additionally for EXCI sessions, the jobname, stepname, procsname and MVS ID of the batch program communicating on that session.

For EXCI sessions, a netname of GENERIC indicates a generic pipe. For the batch job information to appear in the message, at least one DPL request must have been issued on that session. In some circumstances the message is not followed by any netnames. This can occur if CICS is using the cross-system coupling facility (XCF) to communicate across CECs, and CICS is unable to deliver an earlier message to XCF because, for example, the XCF buffer is full.

System action:  CICS issues IRC STOP IMMEDIATE to force close the remaining session(s). This message is reissued at 30 second intervals, or until the last session is closed.

User response:  None, unless the delay in closedown appears abnormally long. If this is the case, investigate why the session(s) are still active. Take appropriate action to allow the session(s) to close. If no netnames are displayed, investigate why XCF is unable to accept a message from CICS.

Module:  DFHZDSP

XMEOUT Parameter:  applid

Destination:  Console

DFHIR3747  applid CONNECTION conmid with protocol(EXCI) has been connected to by a NON-BATCH system. Connection set out of service.

Explanation:  A CICS connection has been defined with the protocol EXCI and an attempt has been made
to connect to it by a non-batch system.

There are two possible explanations for this message:
• The non-batch system is attempting to communicate with the wrong target connection definition.
• The target connection definition has incorrectly been defined as an EXCI connection.

System action: CICS sets the connection out of service.

User response: Investigate and correct the relevant connection definitions and set back in service.

Module: DFHCRNP

DFHIR3748  date time applid Initial start of connected system sysid, netname netname, protocol pppp was detected.

Explanation: A new logname was received during the MRO bind process from the connected system. This indicates that the connected system has restarted with a start type of INITIAL, since it last communicated with this CICS. If the message-issuing system has any resynchronization data relating to units of work from a previous usage of the connection, this data is kept but cannot be used by the system for automatic resynchronization.

System action: New MRO work for the connection is not inhibited.

User response: Examine the resynchronization information kept by the system from the previous usage of the connection using the

EXEC CICS INQUIRE UOWLINK RESYNCSTATUS

command (or the equivalent CEMT command) for the named connection in order to locate UOWLINKs with a RESYNCSTATUS of COLDSTART. You can use this information to resolve manually any indoubt units of work that existed on this system or the connected system. When the information is no longer of use, issue the

EXEC CICS SET CONNECTION PENDSTATUS(NOTPENDING)

command (or the CEMT equivalent) for the named connection to discard the resynchronization data relating to the previous usage. Note that any new resynchronization data generated for the newly established connection is still kept.

Module: DFHCRR

DFHIR3750  applid Unable to stop interregion communication session during startup recovery.

Explanation: A request has been received as the result of an abnormal termination to stop the interregion communication session during the startup recovery process. This request has failed.

System action: The session remains active.

User response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Module: DFHCRNP

DFHIR3751  applid Unable to stop interregion communication session during shutdown.

Explanation: A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion communication session during the shutdown process. This request has failed.

System action: The session remains active.

User response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Module: DFHSTP

DFHIR3760  applid Unable to break lines with interregion communication. (Modname: modname)

Explanation: A request has been made to shut down the interregion session. This has caused module DFHZCX to issue a request to the interregion communication program to terminate the association between CICS and the interregion communication program, but the request failed because of a system error.

System action: Any running batch (database sharing) programs are left in the wait state, and should be canceled. Any CICS tasks (in other CICS systems) that are in communication with this system are also left in the wait state. These other CICS systems should issue CEMT SET CONNECTION(sysid) OUTSERVICE PURGE, where sysid is the CONNECTION name of the system for which DFHIR3760 was issued. Also, any attempt to restart the interregion session (in the current or any subsequent CICS session) fails.

User response: To run further batch CICS interregion
通信，你必须重新 IPL。你需要进一步的协助来解决潜在的问题。请参阅 CICS 问题分析指南第 4 部分的指导信息以了解如何进行。

**DFHIR3762**  
date time applid Inter-region activity now complete

**Explanation:** 一个从 CMET 设置的 INTERREGION 通信 (IRC) 关闭请求在主终端上发出。IRC 会话已完全完成。

**System action:** 处理继续进行。

**User response:** 无需响应。

**Module:** DFHZIS2, DFHSTP  
**XMEOUT Parameter:** applid 、modname  
**Destination:** 存储器

**DFHIR3765**  
Unable to stop INTERREGION communication session after system abend.

**Explanation:** 接收到一个请求（通过系统终止、非正常终止或主终端）来停止区域通信会话。此请求已失败。

**System action:** 会话仍处于活动状态。

**User response:** 如果必须停止会话，您可能需要重新 IPL。您需要进一步协助来解决潜在的问题。请参阅 CICS 问题分析指南第 4 部分的指导信息以了解如何进行。

**Module:** DFHCRC

| **DFHIR3767** applid The interregion startup program DFHCRRSP is not present. |
| **Explanation:** 宗序 DFHCRRSP 需要启动一个 IRC 会话，但该程序不在 CICS 程序库中或没有安装的程序定义。 |
| **System action:** IRC 会话未启动。 |
| **User response:** 安装 DFHCRCRSP 定义（组 DFHISC）和/或提供模块 DFHCRRSP |
| **Module:** DFHSIJ1 |
| **XMEOUT Parameter:** applid |
| **Destination:** 存储器 |

| **DFHIR3771** applid Unable to start interregion communication because (E)STAE macro failed. |
| **Explanation:** CICS 发出了一个 ESTAE 宏，它没有成功执行，可能是由于 ESTAE 控制块 (SCB) 不可用。有关 SCB 的更多信息，请参阅 MVS/ESA 系统编程库应用程序开发指南。 |
| **System action:** 会话未启动。 |
| **User response:** 纠正 (E)STAE 失败的原因。 |
| **Module:** DFHSIJ1 |
| **XMEOUT Parameter:** applid |
| **Destination:** 存储器 |

| **DFHIR3772** applid Error while attempting to start interregion communication. |
| **Explanation:** CICS 有证据表明 IRC 会话已经启动。这可能是由于前一个会话无法停止（参阅消息 DFHIR3760 和 DFHIR3765），并且不在正常状态。 |
| **System action:** 会话未启动。 |
| **User response:** 执行另外的 IPL。 |
| **Module:** DFHSIJ1 |
| **XMEOUT Parameter:** applid |
| **Destination:** 存储器 |

| **DFHIR3773** applid Unable to start interregion communication because the APPLID option has a blank value. |
| **Explanation:** 除非 applid （指定在 APPLID 系统初始化参数）的默认值使用，或者使用了一个不是 null 的值。 |
| **System action:** 会话未启动。 |
| **User response:** 纠正 applid 值。 |
| **Module:** DFHSIJ1 |
| **XMEOUT Parameter:** applid |
| **Destination:** 存储器 |

| **DFHIR3775** applid Unable to start interregion communication because short on storage. |
| **Explanation:** 主存储器是启动 IRC 会话所需的，但存储器不可用。 |
| **System action:** 会话未启动。 |
| **User response:** 等待存储条件消失。 |
eased, then issue CEMT SET IRC OPEN command at the master terminal.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3776 applid Unable to start interregion communication because another CICS system of the same name is active.

Explanation: A CICS system is named by its applid value. If two CICS systems have the same applid value, the interregion communication SVC cannot distinguish between the systems. interregion communication (IRC) session could not be stopped; see message DFHIR3760. In this case, the IRC SVC would consider that the new session conflicted with the old (unstoppable) session.

System action: The IRC session is not started.
User response: Use a different generic applid for each CICS system.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3777 applid The interregion communication table is full.

Explanation: The interregion communication SVC’s user table is full.

System action: The IRC session is not started.
User response: When there are fewer batch-sharing programs running, issue CEMT SET IRC OPEN at the master terminal.

A common cause of this error is that MAXGROUP is set too low in an XCF Sysplex environment. Check the value of MAXGROUP and, if necessary, raise it to suit your environment. For further information, See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3778 applid Insufficient storage is available for interregion communication blocks.

Explanation: There is insufficient key 0 storage for the IRC control blocks. Storage is required from the CICS region but from outside the CICS DSA.

System action: The IRC session is not started.
User response: Ensure that sufficient storage is available. See the CICS Performance Guide for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3779 applid Insufficient storage is available for interregion communication subsystem blocks.

Explanation: There is insufficient storage for the control blocks required by IRC. Storage is required from the CICS region but from outside the CICS DSA.

System action: The IRC session is not started.
User response: Ensure that sufficient storage is available. See the CICS Performance Guide for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3780 applid Unable to start interregion communication. Return code=X'retcode', Reason code=X'rsncode'.

Explanation: CICS attempted to establish itself as a user of the interregion communication (IRC) services, but the attempt failed.

System action: The IRC session is not started.
User response: The return code and reason code (if any) correspond to a number of possible errors. The four byte return code field displays the following information starting with the high order byte

- One byte error qualifier (if any)
- One byte MVS return code (if any)
- Two byte IRC return code

See Interregion Control Blocks (IRC) in the CICS Data Areas manual for a complete list of return codes and error qualifiers. (The names of all the return codes and error qualifiers start with IRERR and IRERQ respectively.)

The return codes should be referenced from the documentation for the version of CICS that supplied the IRP program in use rather than the version of CICS that issued the message.

Check that the following requirements are satisfied

- A copy of DFHIRP providing an adequate level of function is present in the link pack area (LPA).
CICS has been defined as an operating system subsystem. The CICS Transaction Server for z/OS Installation Guide explains how to define CICS as a subsystem.

The XCF couple data sets have been formatted with enough XCF groups and members per group to satisfy the requirements of your installation.

The userid of the CICS job is authorized to log on to the CICS interregion program (DFHIRP) using the generic applid specified.

The CICS region has a unique generic applid within the MVS sysplex.

The CICS DB2 attachment has not been initialized before the first start of IRC in a CICS system that is using both of the following:
- Multiregion operation (MRO) or CICS shared database, where any of the installed MRO or CICS shared database resource definitions specify ACCESSMETHOD(XM)
- The DB2 CICS attachment to run DB2 applications.

If the message is issued when all of these conditions have been met, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSIJ1
XMEOUT Parameters: applid, X‘retcode, X‘rnscode
Destination: Console

DFHIR3781 applid Unable to start interregion communication because task CSNC cannot be attached.

Explanation: Definitions for CSNC or DFHCRNP have not been installed, or DFHCRNP is missing from the CICS program library.

System action: The IRC session is not started.
User response: Make CSNC or DFHCRNP available.

Module: DFHSIJ1
XMEOUT Parameter: applid
Destination: Console

DFHIR3783 date time applid Transaction transid termid termid - Connected transaction abended with message xxxx

Explanation: Transaction transid was connected to a transaction in another CICS system, through an MRO link. This other transaction has abnormally terminated with the given message, causing the local transaction to abnormally terminate.

System action: The transaction abnormally terminates.
User response: Correct the cause of the abend in the connected transaction.

Module: DFHZCX
XMEOUT Parameters: date, time, applid, transid, termid, xxx
Destination: Console

DFHIR3784 applid A severe error (code X‘code‘) has occurred in module DFHCRR.
Connection conname (if non-blank) has been set out of service.

Explanation: An error has been detected in module DFHCRR. The code X‘code‘ is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action: An exception entry is made in the trace table (X‘code‘ in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

The connection conname (if any) being processed at the time of error is set out of service, to prevent the error from recurring repeatedly.

CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Find and fix the source of the error before setting the connection back in service.
Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRR
XMEOUT Parameters: applid, X‘code‘,conname
Destination: Console

DFHIR3785 applid Interregion control task CSNC abend. Interregion activity will be abnormally terminated.

Explanation: CSNC is abnormally terminated.

System action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. CICS also abends all tasks in other CICS regions (including CICS shared data base batch regions) that are currently communicating with this system.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Following this abend it is not possible to use IRC within this CICS system. CICS must be restarted before IRC can be used.

**Module:** DFHCRNP  
**XMEOUT Parameter:** applid  
**Destination:** Console

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**DFHIR3786**  
**applid** Unable to start interregion communication because module DFHSCTE could not be found.

**Explanation:** The IRC module DFHIRP attempted to load DFHSCTE, but the module was not in the LPA.

**System action:** The interregion communication session is not started.

**User response:** Ensure that DFHSCTE is available.

**Module:** DFHSIJ1  
**XMEOUT Parameter:** applid  
**Destination:** Console

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**DFHIR3788**  
**date time applid** Unexpected failure  
**(return code=X’reetcode’, reason code=X’rsncode’)** trying to establish connection to system sysid

**Explanation:** CICS could not establish a link to system sysid, even though system sysid is available for communication.

The most common value of code X’reetcode returned by the interregion communication SVC is X’68. This means that no connection to the requesting region has been defined in the target region.

Another possible value of code X’reetcode returned by the interregion communication SVC is X’138. This means that although the requesting and the target region are both running in the same MVS image, and it is possible to connect via cross memory, the requesting and the target regions belong to different XCF Groups.

The four byte return code field displays the following information starting with the high order byte

- One byte error qualifier (if any)
- One byte MVS return code (if any)
- Two byte IRC return code

See Interregion Communication Control Blocks in the CICS Data Areas manual for a complete list of return codes and error qualifiers. (The names of all the return codes and error qualifiers start with IRERR and IRERQ respectively.)

A possible reason for this message is that the applid of the system on which the message appears does not match the NETNAME on any of the system entries defined in system sysid.

This error may also occur when connections are being created dynamically. In this case, the mismatch is transient and will eventually be resolved when the connection creation process running on the remote CICS region completes.

**System action:** If the mismatch is transient, the connection is established.

If there is a definition error, the connection is not established. Any existing connections are not affected.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If the mismatch is transient, a connection should be established. This can be verified by querying the connection status using CEMT.

If an applid or a NETNAME mismatch has occurred, correct the error and retry.

If an XCFGROUP mismatch has occurred, correct the error and retry.

If a mismatch is not the cause of the error, you may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

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**DFHIR3789**  
**date time applid** SEND/RECEIVE mismatch between definitions for this system and system sysid

**Explanation:**

- The number of send sessions defined in this system's SESSIONS resource definition for system sysid does not equal the number of receive sessions defined in system sysid's SESSIONS resource definition for this system, or
- The number of receive sessions defined in this system's SESSIONS resource definition for system sysid does not equal the number of send sessions defined in system sysid's SESSIONS resource definition for this system.

**System action:** As many sessions as possible are established.

**User response:** Alter one or both SESSIONS resource definitions.

**Module:** DFHCRNP

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DFHIR3790 • DFHIR3798

DFHIR3790  date time applid Unable to connect to system sysid for security reasons

Explanation: The SECURITYNAME attribute in system sysid’s CONNECTION resource definition for this system contained a security name operand that did not match the real external security ID of this system, or the ID was unknown to IRC.

System action: The connection is not established.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Discuss with the system programmer responsible for system sysid.

Module: DFHCRCNP

XMEOUT Parameters: date, time,applid, sysid

Destination: CSMT

DFHIR3791  applid Unable to start interregion communication because ISC=NO has been specified.

Explanation: IRC facilities are not available because ISC=NO has been specified.

System action: The interregion communication session is not started.

User response: Run with a value other than NO in the ISC operand of DFHSIT or system initialization overrides.

Module: DFHSIJ1

XMEOUT Parameter: applid

Destination: Console

DFHIR3793  applid Unable to start interregion communication because a severe error has occurred in the recovery manager.

Explanation: IRC facilities are not available because an internal request issued to recovery manager has failed.

System action: The interregion communication session is not started.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSIJ1

XMEOUT Parameter: applid

Destination: Console

DFHIR3794  date time applid Interregion usage of MVS CSA storage has reached nnnn bytes for this IPL

Explanation: The maximum number of MVS CSA bytes used so far in this IPL by the CICS interregion communication facility (for interregion buffers), is nnnn.

System action: Processing continues.

User response: None.

Module: DFHZCX

XMEOUT Parameters: date, time,applid, nnnn

Destination: CSMT

DFHIR3795  ABNORMAL TERMINATION - STATUS CODE DH\text{xx}

Explanation: The IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or DL/I has returned a status code to HLPI that indicates an error. \text{xx} is the status code.

System action: The batch program abnormally terminates with abend code 3795.

User response: Correct the error and try again. See the IMS Application Programming: DL/I Calls or the Application Programming: EXEC DLI Commands for an explanation of the IMS status code.

Module: DFHDRPG

Destination: Console

DFHIR3796  date time applid Transaction tranid termid - A connected transaction sent issue abend with following message:

xxxxxx

Explanation: Transaction tranid was connected to a transaction in another CICS system via an MRO link. The other transaction sent an ISSUE-ABEND flow with a message.

System action: Processing continues.

User response: Examine the information in the included message to determine the circumstances and what action to take.

Module: DFHZIS1.

XMEOUT Parameters: date, time,applid, tranid, termid, xxxxx

Destination: CSMT

DFHIR3798  applid IRC Not Started. Unable to load Interregion Communication Work Exit DFHIRW10.

Explanation: As part of interregion communication initialization, an attempt is made to establish an
internal work exit mechanism. This attempt has failed. The most likely reason for the failure is that the interregion communication work exit module, DFHIRW10, cannot be loaded. This module should appear in an APF authorized library in the STEPLIB concatenation for the CICS region, in the linklist, or in the LPA.

**System action:** The attempt to initiate the interregion communication facility (via the IRCSTRT DFHSIT or override option or via the CEMT SET IRC OPEN command) fails. CICS continues.

**User response:** Ensure that the interregion communication work exit module, DFHIRW10, is available to be loaded.

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

**Destination:** Console

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**DFHISnnnn messages**

**DFHIS0001** applid An abend (code aab/bbbb) has occurred at offset X’offset’ in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aab/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHISAL, DFHISCO, DFHISCU, DFHISDM, DFHISEM, DFHISIC, DFHISIF, DFHISIS, DFHISLQ, DFHISRE, DFHISRR, DFHISUE, DFHISUOW, DFHISXF, DFHISXM, DFHISZA

**XMEOUT Parameters:** applid, aab/bbbb, X’offset’, modname

**Destination:** Console

**DFHIS0002** applid A severe error (code X’code’) has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In
**DFHIS0003 • DFHIS0004**

This case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHISAL, DFHISCO, DFHISDM, DFHISEM, DFHISIC, DFHISIF, DFHISIS, DFHISLQ, DFHISRE, DFHISR, DFHISRR, DFHISST, DFHISUE, DFHISUOW, DFHISXE, DFHISXM, DFHISZA

**XMEOUT Parameters:** *applid, X’code’, modname*

**Destination:** Console

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**DFHIS0004 applid A possible loop has been detected at offset X’offset’ in module modname.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X’offset’. This is the offset of the instruction that was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

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**DFHIS0003 applid Insufficient storage to satisfy Getmain (code X’code’) in module modname.**

**Explanation:** A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** An exception entry is made in the trace table (code *code’* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHIEDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHIEXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

**Module:** DFHISIS

**XMEOUT Parameters:** *applid, X’code’, modname*
If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHISIS, DFHISDM

**XMEOUT Parameters:** applid, X'offset', modname

**DFHIS0006**  
`applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.`

**Explanation:** An MVS GETMAIN was issued by module `modname`, but there was insufficient storage available to satisfy the request.

The code `X'code'` is the exception trace point ID which uniquely identifies the place where the error was detected.

The code `mvscode` is the MVS GETMAIN return code.

**System action:** An exception entry is made in the trace table (code `X'code'`). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

See the CICS Trace Entries for a description of the exception trace point ID, `X'code'` and the data it contains.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. You can vary the CICS DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command. To increase the MVS region size you must bring CICS down and change the MVS JCL REGION parameter.

**Module:** DFHISIS

**XMEOUT Parameters:** applid, X'code', modname, mvscode

**DFHIS0100**  
`applid Unable to start IS domain because transaction CISC cannot be attached.`

**Explanation:** The IS domain failed to attach the CISC transaction to do IPCONN autoconnect processing.

**System action:** CICS is not started.

**User response:** Use the trace to investigate the reason for the failure to attach the CISC transaction. A probable reason for the failure is that there is no installed definition for CISC. Resource definition group DFHISCIP should be included in one of the lists specified in the startup GRPLIST.

**Module:** DFHISDM

**XMEOUT Parameter:** applid

**Destination:** Console

**DFHIS0998**  
`date time applid A transaction processing a request using IP Interconnectivity has abended with code abcode.`

**Explanation:** A transaction processing a request using IP interconnectivity has abended with the specified abend code. This is because of an error in the user program named in the request, or because of an error in CICS. The abend processing has invoked IS domain to inform the client of the failure.

**System action:** If the original problem was in IS domain, the appropriate error actions will already have been taken. If the problem was not in IS domain, this message will be attached as Error Log Data to an IS7 that is sent to the client to abend the conversation.

**User response:** Use the messages and dumps from the transaction abend to determine the root cause of the problem.

**Module:** DFHISIS

**XMEOUT Parameters:** date, time,applid, abcode

**Destination:** CISO

**DFHIS1000**  
`date time applid Invalid parameter list passed to IS domain module modname.`

**Explanation:** A call was made to module `modname` of the IP interconnectivity (IS) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

**System action:** An exception trace is written by IS domain, a system dump is taken and the task in progress is abended. Message DFHME0116 should be
produced containing the symptom string for this problem.

User response: Use the dump to determine the fault in the calling component.

Module: DFHISCO, DFHISLQ, DFHISR, DFHISEM, DFHISSR

XMEOUT Parameters: date, time, applid, modname

Destination: CISO

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| DFHIS1001 | date time applid Unexpected exception from domain call made by IS domain module modname.
| Explanation: An unexpected exception was returned to a domain call made by module modname of the IP interconnectivity (IS) domain.
| System action: An exception trace is written by IS domain and a system dump is taken. The task in progress is abended if necessary. Message DFHME0116 should be produced containing the symptom string for this problem.
| User response: Use the dump to determine the fault in the calling component.
| Module: DFHISCO, DFHISLQ, DFHISR, DFHISEM, DFHISSR
| XMEOUT Parameters: date, time, applid, modname
| Destination: CISO

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| DFHIS1002 | date time applid Unable to {acquire | release} IPCONN ipconn. IPCONN not found.
| Explanation: A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire or release IPCONN ipconn but, when DFHISCO attempted to locate the IPCONN, a NOT_FOUND exception was returned. This is probably because another task has deleted the IPCONN before the task attached to acquire or release the IPCONN was started.
| System action: An exception trace is written by IS domain and the task in progress is abended.
| User response: Inspect the IS domain message log for concurrent activity on the IPCONN. Use CEDA or SPI commands to recreate the IPCONN. Ensure it is INSERVICE. Reissue SET IPCONN ACQUIRED if required.
| Module: DFHISCO
| XMEOUT Parameters: date, time, applid, {1=acquire, 3=release}, ipconn
| Destination: CISO

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| DFHIS1003 | date time applid Unable to {acquire | release} IPCONN ipconn. IPCONN state
| INSERVICE | OUTSERVICE, [RELEASED | OBTAINING | ACQUIRED | FREEING] is invalid.
| Explanation: An attempt was made to SET IPCONN(ipconn) ACQUIRED or RELEASED but by the time the call was made to module DFHISCO of the IP interconnectivity (IS) domain to action the state change, the IPCONN was not in a valid state. An IPCONN must be INSERVICE and RELEASED before it can be acquired. An IPCONN must be ACQUIRED or FREEING before it can be released. This is probably due to a race condition with another task that has been started to either acquire or release the IPCONN or set it out of service.
| System action: An exception trace is written by IS domain and the task in progress continues processing.
| User response: Inspect the IS domain message log for concurrent activity on the IPCONN. No action is required if the IPCONN is now in the correct state. If the IPCONN is not in the correct state, reissue the SET IPCONN ACQUIRED or RELEASED. If the IPCONN status is OBTAINING, it might be necessary to cancel a CISC or CISS transaction that is awaiting a response and thus preventing the IPCONN state change from completing.
| Module: DFHISCO
| XMEOUT Parameters: date, time, applid, {1=acquire, 3=release}, ipconn, {1=INSERVICE, 2=OUTSERVICE}, {1=RELEASED, 2=OBTAINING, 3=ACQUIRED, 4=FREEING}
| Destination: CISO

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| DFHIS1004 | date time applid Unable to acquire IPCONN ipconn. Associated TCPIPSERVICE tcpipservice not found.
| Explanation: A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but TCPIPSERVICE tcpipservice referenced by the IPCONN could not be located. This is probably because the TCPIPSERVICE has not been installed or has been deleted. The TCPIPSERVICE must be installed and OPEN when an IPCONN is acquired.
| System action: An exception trace is written by IS domain and the task in progress is abended.
| User response: Inspect the IS and SO domain message logs for concurrent activity on the TCPIPSERVICE and IPCONN. Use CEDA or SPI commands and CEMT to reinstall and open the TCPIPSERVICE. Reissue SET IPCONN ACQUIRED if required.
| Module: DFHISCO
| XMEOUT Parameters: date, time, applid, {1=acquire, 3=release}, ipconn
| Destination: CISO
DFHIS1005 • DFHIS1009

XMEOUT Parameters: date, time, applid, ipconn, tcpipservice
Destination: CISO

DFHIS1005 date time applid Unable to acquire IPCONN ipconn. Associated TCPIPSERVICE tcpipservice not open.
Explanation: A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but TCPIPSERVICE tcpipservice referenced by the IPCONN was not in the correct state. The TCPIPSERVICE must be installed and OPEN when an IPCONN is acquired. This is probably because the TCPIPSERVICE has been closed by another task or never opened.
System action: An exception trace is written by IS domain and the task in progress is abended.
User response: Inspect the IS and SO domain message logs for concurrent activity on the TCPIPSERVICE and IPCONN. Use CEMT or SPI commands to SET the TCPIPSERVICE OPEN and reissue SET IPCONN ACQUIRED if required.
Module: DFHISCO
XMEOUT Parameters: date, time, applid, ipconn, tcpipservice

DFHIS1006 date time applid Unable to acquire IPCONN ipconn. TCPIP not open.
Explanation: A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but TCPIP was not OPEN. TCPIP must be OPEN when an IPCONN is acquired.
System action: An exception trace is written by IS domain and the task in progress is abended.
User response: Set TCPIP OPEN and reissue SET IPCONN ACQUIRED if required.
Module: DFHISCO
XMEOUT Parameters: date, time, applid, ipconn

DFHIS1007 date time applid Unable to acquire IPCONN ipconn. Failure to open session to hostname, port portnumber.
Explanation: During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain failed to open a Web session with host hostname on port portnumber. This is probably because there is no TCPIPSERVICE in a partner CICS open on port portnumber at host hostname. It might also be because the HOST is specified either as an explicit IPv6 address or a host name that will resolve to an IPv6 address, but the TCP/IP stack being used does not support IPv6.
For IP interconnectivity to be successful when using IPv6 addresses, the TCP/IP stack for both the local and remote regions must support IPv6.
System action: An exception trace is written by IS domain and the task in progress is abended.
User response: Check that the hostname and port are correct and ensure that there is a partner CICS active at the given host with a TCPIPSERVICE with protocol IPIC open on the given port. Reissue SET IPCONN ACQUIRED if required.
If there is still a problem and IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack.
Module: DFHISCO
XMEOUT Parameters: date, time, applid, ipconn, hostname, portnumber

DFHIS1008 date time applid Unable to acquire IPCONN ipconn. Invalid HTTP response to capability exchange.
Explanation: During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain received an invalid response to its capability exchange request to the partner CICS; it contains either an unexpected HTTP media type or status code. A possible error cause is that the port specified in the IPCONN does not reference a TCPIPSERVICE in a partner CICS system whose protocol is defined as IPIC.
System action: An exception trace is written by IS domain and the task in progress is abended.
User response: If no resource definition errors can be identified, examine the response message in the exception trace and check the message log in the partner CICS system. Correct the problem and reissue SET IPCONN ACQUIRED.
Module: DFHISCO
XMEOUT Parameters: date, time, applid, ipconn

DFHIS1009 date time applid Unable to acquire IPCONN ipconn. Response to capability exchange timed out.
Explanation: During processing of an acquire for IPCONN ipconn the receive for a capability exchange response from the partner CICS, by module DFHISCO of the IP interconnectivity (IS) domain, timed out. A response to the capability exchange request was not received within the RTIMOUT value set in the profile.
for the transaction attached to handle the IPCONN acquire. This might be due to an error preventing the response being sent by the partner CICS or the RTIMOUT value may be too low for acquire processing to complete and the response to be received. This problem may occur in the system initiating the IPCONN acquire, from a CISC transaction instance, or in the partner CICS, from an IPIC TCPIPSERVICE transaction, CISS by default. Note that the RTIMOUT for CIISC needs to allow time for the partner to attach a transaction to establish a callback connection back to the initiating CICS system, and possibly to autoinstall an IPCONN, before sending its response. CISS, or its equivalent, may need to autoinstall an IPCONN and then needs to allow the partner time to attach a transaction to locate and update the initiating IPCONN before sending its response.

**System action:** An exception trace is written by IS domain and the task in progress is abended.

**User response:** Check the message log in the partner CICS system for errors that might have prevented the response being sent and correct any problem found. Adjust the transaction’s RTIMOUT value if appropriate. Reissue SET IPCONN ACQUIRED.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time,applid, ipconn

**Destination:** CISO

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**DFHIS1010** `date time applid Unable to acquire IPCONN ipconn. Invalid capability exchange response received.**

**Explanation:** During processing of an acquire for IPCONN ipconn, module DFHISCO of the IP interconnectivity (IS) domain received an error response to its capability exchange request to the partner CICS. The capability exchange request will have been processed by DFHISCO initialize_connection in the partner system; the reason string corresponds to the error detected by that DFHISCO function in the partner system.

**Exception response reasons**

**AUTOINSTALL_FAILED**

No IPCONN was found to match an incoming IPIC connection and capability exchange and the subsequent autoinstall attempt was disallowed or failed.

**INVALID_PARTNER_STATE**

A capability exchange request was received for an IPCONN whose state is invalid. The IPCONN must be inservice and not already acquired.

**INVALID_IPCONN_STATE**

An ISCO ACQUIRE_CONNECTION has been issued for an IPCONN whose state is invalid. The IPCONN must be inservice and released.

**IPCONN_NOT_FOUND**

An ISCO ACQUIRE_CONNECTION has been issued for an IPCONN which no longer exists.

**ISCE_ERROR**

The capability exchange request was determined to be invalid and rejected by the partner CICS.
The server_applid, or its high level qualifier, in the capability exchange message does not match the partner CICS's local applid and high level qualifier.

The TCPIPSERVICE transaction (CISS by default) has been attached to initialize a connection for an ipconn but it has not received its initial data, the capability exchange request, within the timeout period defined in its transaction profile.

A capability exchange request has been received that contains an unsupported isce_preferred_recovery value and no matching isce_supported_protocols flags are set to fallback to.

The callback capability exchange response contains a bad isco response and reason from the partner CICS.

The callback capability exchange response was determined to be invalid.

The callback capability exchange response contained a bad http status code.

DFHISCO acquire_connection has not received a response to its capability exchange request within the timeout period specified.

While acquiring an ipconn, DFHISCO has failed to open a web session to the partner host defined in the ipconn.

A call has been made to DFHISCO to acquire or initialize an ipconn but CICS has been shutdown before the function completed.

DFHISCO acquire_connection has been called for an ipconn but tcpip is closed.

A capability exchange request was received for an IPCONN which is defined as using a different tcpipservice from that used for the capability exchange.

Either acquire_connection has been called for an ipconn but the tcpipservice named in the ipconn is not installed or release_connection has been called for a tcpipservice that is no longer installed.
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10=ISCER_ERROR, 11=ISCER_HTTP_ERROR,
12=ISCER_TIMED_OUT, 13=SESSION_OPEN_FAILED,
14=SHUTDOWN, 15=TCP/IP_CLOSED,
16=TCP/IPSERVICE_MISMATCH,
17=TCP/IPSERVICE_NOT_FOUND,
18=TCP/IPSERVICE_NOT_OPEN, 19=NO_IPCONN,
20=ONE_WAY_IPCONN, 21=CAPEX_RACE,
22=SECURITY_VIOLATION, 23=SEC_SOCKET_ERROR,
24=CLIENT_SOCKET_ERROR, 99=UNKNOWN

Destination: CISO

DFHIS1012  date time applid Invalid capability
exchange request received on
TCP/IPSERVICE tcpipservice.

Explanation: During processing of a connection
request for an IPIC web session on TCP/IPSERVICE
tcipservice, module DFHISCO of the IP
interconnectivity (IS) domain received an invalid
capability exchange request from the partner CICS. This
could be caused by a non-IPIC client opening a web
session to a TCP/IPSERVICE whose protocol is defined
as IPIC. It could also be caused by a mismatch between
the option specified for the SSL attribute in the
TCP/IPSERVICE and the SSL attribute for the IPCONN
resource definition in the partner system.

System action: An exception trace is written by IS
domain, the TCP/IPSERVICE task is abended and the
session closed.

User response: Correct the resource definition in the
partner system.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, networkid,
applid, tcpipservice, clntnetid, clntappid

Destination: CISO

DFHIS1014  date time applid Capability exchange
request not received on TCP/IPSERVICE
tcipservice.

Explanation: During processing of a connection
request for an IPIC web session on TCP/IPSERVICE
tcipservice, module DFHISCO of the IP
interconnectivity (IS) domain issued a receive for a
capability request from the initiating system.
The capability request did not arrive within the
RTIMOUT value specified in the TCP/IPSERVICE
transaction's profile. This is probably due to network
problems or too low an RTIMOUT value for the
TCP/IPSERVICE transaction. It is also possible that a
non-IPIC client has opened a web session to a
TCP/IPSERVICE whose protocol is defined as IPIC but
has not sent any data.

System action: An exception trace is written by IS
domain. The TCP/IPSERVICE task, CISS by default, is
abended and the session closed.

User response: Examine the CICS trace to determine
the location of the client. Correct resource definitions as
appropriate.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, tcpipservice

Destination: CISO

DFHIS1013  date time applid Invalid applid
networkid,applid received in capability
exchange request on TCP/IPSERVICE
tcipservice from applid clntnetid,clntappid.

Explanation: During processing of a connection
request for an IPIC web session on TCP/IPSERVICE
tcipservice, module DFHISCO of the IP
interconnectivity (IS) domain received a capability
exchange request containing an invalid fully qualified
applid. Either the networkid, networkid, applid, applid,
or both are incorrect. The applid (isce_server_applid) in
the capability exchange request created by the initiating
system must match the applid of this, the target, CICS
system. The network id qualifier
isce_server_networkid must match the z/OS
Communications Server NETID, or UOWNETQL SIT
parameter value in a system where z/OS
Communications Server VTAM=NO, in this, the target,
CICS system. If the partner is another CICS TS, the
applid and networkid values are taken from its
IPCONN definition for this target CICS.

System action: An exception trace is written by IS
domain, the TCP/IPSERVICE task attached to
handle the incoming connection, CISS by default, is abended.

**User response:** Inspect the IS domain message log for concurrent activity on the IPCONN. Ensure the local IPCONN is INSERVICE, RELEASED and reissue SET IPCONN ACQUIRED.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time, applid, ipconn

**Destination:** CISO

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**DFHIS1016**  
`date time applid Invalid recovery protocol received in capability exchange request on TCPIPSERVICE tcpipservice.`

**Explanation:** During processing of a connection request for an IPIC web session on TCPIPSERVICE `tcpipservice`, module DFHISCO of the IP interconnectivity (IS) domain received a capability exchange request containing an invalid, or unsupported, recovery protocol value.

**System action:** An exception trace is written by IS domain, the TCPIPSERVICE task is abended and the session closed.

**User response:** Examine CICS diagnostics to determine the source of the capability exchange and check that it has come from a supported partner.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time, applid, tcpipservice

**Destination:** CISO

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**DFHIS1017**  
`date time applid IS domain input queue error.`

**Explanation:** The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN `ipconn` with an IPIC HTTP header that contains a conversation id for which there is no active ISSB. This is probably due to the late arrival of a request or response for a task which has timed out or been purged and relinquished its ISSB.

**System action:** An exception trace is written by IS domain and the IS domain error queue for processing by the long running error and message task, CISE.

**User response:** Inspect the trace, dump and IS domain message log to determine the cause of the error.

**Module:** DFHISEM

**XMEOUT Parameters:** date, time, applid, convid, ipconn

**Destination:** CISO

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**DFHIS1018**  
`date time applid IS domain error queue error.`

**Explanation:** The IS domain error and message handler module, DFHISEM, has detected an unrecoverable error in its error queue. This is probably due to a CICS internal processing error or storage overwrite.

**System action:** An exception trace is written by IS domain, the IS domain long running error and message task, CISE, is abended and a system dump taken. Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inspect the trace, dump and IS domain message log to determine the cause of the error. CICS will have to be restarted to reinstate CICS IP interconnectivity processing.

**Module:** DFHISEM

**XMEOUT Parameters:** date, time, applid

**Destination:** CISO

---

**DFHIS1019**  
`date time applid Conversation convid no longer active on IPCONN ipconn.`

**Explanation:** The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN `ipconn` with an IPIC HTTP header that contains a conversation id for which there is no active ISSB. This is probably due to the late arrival of a request or response for a task which has timed out or been purged and relinquished its ISSB.

**System action:** An exception trace is written by IS domain, the IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE.

**User response:** Inspect the trace, dump and IS domain message log to determine the cause of the error.

**Module:** DFHISEM

**XMEOUT Parameters:** date, time, applid, convid, ipconn

**Destination:** CISO

---

**DFHIS1020**  
`date time applid Acquire for IPCONN ipconn rejected; shutdown in progress.`

**Explanation:** An acquire request for IPCONN `ipconn` was rejected because CICS shutdown is in progress.

**System action:** None.

**User response:** None.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time, applid, ipconn

**Destination:** CISO
DFHIS1021  date time applid  Session error occurred on  
sesstype  IPIC session in IPCONN ipconn.

Explanation:  The IS domain request/response receiver 
module, DFHISRR, has detected an error with the 
sesstype web session associated with IPCONN ipconn.  
The session may have been closed prematurely by the 
partner system or a network or socket error may have 
occurred.

System action:  An exception trace is written by IS 
domain, the IPCONN session is added to the IS 
domain error queue for processing by the long running 
error and message task, CISE.  All user and mirror tasks 
using the IPCONN are abended, either immediately or 
when they next try to communicate with the partner. 
The IPCONN is released.

User response:  Inspect the trace, dump and CICS 
message log to determine the cause of the error.

Module:  DFHISEM

XMEOUT Parameters: date, time,applid, sesstype, ipconn

Destination:  CISO

DFHIS1022  date time applid  Protocol error (code 
X'errorcode') occurred on sesstype IPIC session in IPCONN ipconn.

Explanation:  The IS domain request/response receiver 
module, DFHISRR, has been unable to continue 
processing IPIC messages on the sesstype web session 
associated with IPCONN ipconn.  The errorcode X'errorcode' 
is the exception trace point ID which uniquely identifies 
what the error is and where the error was detected, for example

- 0614 The ISSB task is not waiting for data.
- 061C The mirror or user task resume failed 
unexpectedly.
- 061D No ISSB available for new task attach request.
- 061E The ISSB is not in RECEIVE state; data is not 
expected.
- 0629 Chain state in the header does not match ISSB 
chain state.
- 062A Chain element received before pacing message 
sent.
- 062D Invalid message sequence number.
- 062E Invalid chain sequence number.
- 062F IS header contains unrecognised IBM CCSID.
- 0630 Data received for a task which is no longer 
active.
- 0632 Data received when the previous task is still 
active and not in a correct state to allow receipt of 
data for a new task.
- 0633 Invalid data received when the previous task is 
still active; chain state in the header does not match 
ISQA chain state.
- 0634 Invalid data received when the previous task is 
still active; more chain elements received than 
allowed before pacing.
- 0635 Invalid chain sequence number in data received 
when the previous task is still active.
- 0636 Invalid message sequence number in data 
received when the previous task is still active.

System action:  An exception entry (code X'errorcode' 
in the message) is made in the trace table.  The IPCONN 
session is added to the IS domain error queue for 
processing by the long running error and message task, 
CISE.  All user and mirror tasks using the IPCONN are 
abended, either immediately or when they next try to 
communicate with the partner.  An IS7 error response is 
sent for sessions in SEND state.  The IPCONN is 
released.

User response:  Inspect the trace, dump and CICS 
message log to determine the cause of the error.

Module:  DFHISEM

XMEOUT Parameters: date, time,applid, X'errorcode', 
sesstype,ipconn

Destination:  CISO
DFHIS1024  date time applid  Mirror attach rejected on IPCONN ipconn. No sessions available.

Explanation: The IS domain request/response receiver module, DFHISRR, has received an input request to start a new mirror task on IPCONN ipconn but there is no ISSB available to process it. This is probably due to a previous mirror task abend not completing in a timely manner.

System action: An exception trace is written by IS domain, the IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE. An FMH7 exception response is returned to the partner.

User response: Inspect the trace, dump and IS domain message log to determine the cause of the error. If this situation occurs frequently, it might be sensible to increase the number of sessions available in the IPCONN definition: RECEIVE sessions in this CICS; SEND sessions in the IPCONN in the partner system.

Module: DFHISEM

XMEOUT Parameters: date, time, applid, ipconn

DFHIS1025  date time applid  Failed to attach mirror transaction tranid on IPCONN ipconn. Error code is X'errorcode'.

Explanation: The IS domain request/response receiver module, DFHISRR, has received data for a new mirror transaction tranid on IPCONN ipconn that it is unable to process. The errorcode X'errorcode' is the exception trace point ID which uniquely identifies what the error is and where the error was detected, for example

  • 0618 The mirror transaction code was not found.
  • 0619 The mirror transaction code was disabled.
  • 061A The mirror transaction code was disabled for shutdown.
  • 061B The mirror attach failed unexpectedly.

System action: An exception entry (code X'errorcode' in the message) is made in the trace table. An IS7 error response is sent to the caller by either the abnormal condition transaction, CSAC, or the IS domain long running error and message task, CISE.

User response: Ensure transaction definitions are correct and examine the CICS trace if necessary to determine the cause of the error.

Module: DFHISEM, DFHISIS

XMEOUT Parameters: date, time, applid, tranid, ipconn, X'errorcode'

Destination: CISO

DFHIS1026  date time applid  Incorrect TCPIPSERVICE tcpipservice used for inbound connection to IPCONN ipconn, which is defined to use TCPIPSERVICE ipconn_tcpipservice.

Explanation: A capability exchange request was received from a partner system on TCPIPSERVICE tcpipservice, for IPCONN ipconn, during initialization of a new IPIC connection by module DFHISCO of the IP interconnectivity (IS) domain, but the IPCONN was defined as using a different tcpipservice, ipconn_tcpipservice. If the partner is another CICS system, this has occurred during processing of an IPCONN acquire from the partner CICS. The IPCONN acquire may have been issued explicitly in the partner CICS system, using CEMT or the CICS SPI. Alternatively, the IPCONN acquire may have been issued to establish a callback connection as a result of an IPCONN acquire issued locally, from this CICS.

System action: An exception trace is written by IS domain, an error response is sent to the client and the IPIC TCPIPSERVICE task attached to handle the incoming connection, CISS by default, is abended.

User response: Either

  • Change the value of the TCPIPSERVICE attribute in the IPCONN definition in this CICS system to tcpipservice or
  • Change the client to connect to the port defined in ipconn_tcpipservice. If the client is another CICS system, this can be done by changing the PORT attribute of the IPCONN in the client CICS.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, tcpipservice, ipconn, ipconn_tcpipservice

Destination: CISO

DFHIS1027  date time applid  Security violation has been detected using IPCONN ipconn and transaction id tranid by userid userid

Explanation: A request to attach a remote transaction failed due to a security problem. The request used the named IPCONN, transaction ID and userid. An attempt was made to extract security fields from the attach request and to pass them to the user domain and security domain to signon the user, but this process failed.

System action: The request to attach the remote transaction is rejected.

User response: Verify that the IPCONN in use has been defined with the correct value of the USERAUTH attribute. Refer to previous security messages that are written to TD queue CSCS for further information and guidance. If no previous messages were issued, examine the trace to determine the reason for the failure. If security parameters were passed on the attach request such as userid or password, check
whether they are valid. If and ICRX was passed then check to see that it is defined correctly.

**Module:**  DFHISXM

**XMEOUT Parameters:** date, time,applid, ipconn, transid, userid

**Destination:**  CISO

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**DFHIS1028**  
**date time applid**  
A request has been received over IPCONN ipconn to use transaction id transid by userid userid. This userid is not authorized to use the transaction.

**Explanation:**  
The operator with user ID userid has invoked a transaction tranid using IP connection ipconn for which the operator is not authorized.

**System action:**  
CICS does not initialize the invoked transaction. Message DFHIS1028 is sent to the connected system. Other CICS processing continues.

**User response:**  
Refer to the userid in the preceding message, DFHXS1111 on the CSCS TD queue, to determine the identity of the user trying to invoke transaction tranid and the reason for the attempt.

---

**Module:**  DFHISCO

**XMEOUT Parameters:** date, time,applid, ipconn, networkid, applid, ipaddr, port

**Destination:**  CISO

**DFHIS1029**  
**date time applid**  
One-way IPCONN ipconn not valid for connection from applid networkid applid. A callback is expected on host ipaddr, port port.

**Explanation:**  
During processing of a connection request for an IPIC web session, module DFHISCO of the IP interconnectivity (IS) domain received a capability exchange request whose fully qualified applid, networkid applid, matched that of IPCONN ipconn, but the IPCONN is defined as ‘one-way’; it has no port or send sessions defined for it, whereas the capability exchange requests a callback connection on host ipaddr, port port. IPCONNs used for CICS to CICS communication, using the CICS recovery protocol, must have both send and receive sessions. One-way IPCONNs are supported for JCA, which uses the XA recovery protocol.

**System action:**  
An exception trace is written by IS domain, the TCP/IPSERVICE task is abended and the session closed.

**User response:**  
Add at least one send session, and host and port definitions, to the IPCONN and reinstall it before attempting to reacquire the connection.

---

**Module:**  DFHISCO

**XMEOUT Parameters:** date, time,applid, ipconn

**Destination:**  CISO

**DFHIS1030**  
**date time applid**  
Recovery value X’ipconn_recovprot’ for IPCONN ipconn different from capability response recovery value X’iscer_recovprot’.

**Explanation:**  
The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN ipconn initiated by its partner. It has detected that the recovery protocol established for the local ipconn, X’ipconn_recovprot’, does not match the recovery protocol in the capability exchange response received from the partner, X’iscer_recovprot’.

**System action:**  
The capability exchange is rejected. The connection status of the IPCONN reverts to RELEASED.

**User response:**  
This is probably a CICS internal problem. Examine the CICS log for any associated error messages. Contact your IBM support center if you are unable to determine the cause of the problem.

---

**Module:**  DFHISCO

**XMEOUT Parameters:** date, time,applid, X’ipconn_recovprot’, ipconn, X’iscer_recovprot’

**Destination:**  CISO

**DFHIS1031**  
**date time applid**  
Incoming acquire for IPCONN ipconn rejected due to race with concurrent local acquire.

**Explanation:**  
The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN ipconn initiated by its partner. It has detected that an acquire is in progress concurrently from this CICS system and rejected the incoming request from the partner. When such a race condition occurs, the acquire initiated by the system with the alphabetically lower of the two fully qualified APPLIDs will proceed.

**System action:**  
The locally initiated capability exchange continues normally.

**User response:**  
No action is required. If this condition occurs frequently, you could consider setting AUTOCONNECT(YES) on only one of the two IPCONN resource definitions if it is currently set on both.

---

**Module:**  DFHISCO

**XMEOUT Parameters:** date, time,applid, ipconn

**Destination:**  CISO
Unable to acquire IPCONN ipconn. Applid networkid applid is the same as the local applid.

Explanation: A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but the fully qualified IPCONN applid is the same as the fully qualified local applid, networkid applid. It is invalid to make an IPCONN connection back to the local CICS system.

System action: An exception trace is written by IS domain and the CISC task performing the acquire is abended.

User response: Correct the applid in the IPCONN resource definition.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, ipconn, networkid, applid

Destination: CISO

Conversation convid no longer pending on IPCONN ipconn.

Explanation: The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN ipconn with an IPIC HTTP header that contains a previous conversation ID for which there is no pending ISB. The client state indicates that there is a unit of work (UOW) waiting for FORGET for conversation ID convid, but the server has no corresponding ISB left pending on the IPCONN's active chain. Alternatively, the client may have sent a message containing an invalid previous conversation ID.

System action: An exception trace is written by IS domain. DFHISRR allocates a system ISB to add to the IS domain error queue for processing by the long running error and message task, CISE. CISE issues this message and, if the previous conversation ID is valid, sends an IS7 error response back to the client.

User response: Inspect the trace, dump and IS domain message log to determine the cause of the error.

Module: DFHISEM

XMEOUT Parameters: date, time, applid, convid, ipconn

Destination: CISO

Unable to send a START | a CANCEL | a transaction routing | an enhanced routing | a file control | a transient data | a temporary storage request using IPCONN ipconn. Partner region does not support this function over IPIC.

Explanation: An attempt has been made to route an API request to a back level system that is unable to support this request over the IPIC connection.

System action: The system will try to route the request using a connection with the same name as the IPCONN, that uses another protocol. If the connection is not found or is not acquired then the request will fail with SYSIDERR.

User response: Limit the definition of IPIC connections to back level systems in order to prevent requests being made that cannot be supported by the remote region.

Module: DFHISIS

XMEOUT Parameters: date, time, applid, {1=a START, 2=a CANCEL, 3=a transaction routing, 4=an enhanced routing, 5=a file control, 6=a transient data, 7=a temporary storage}, ipconn

Destination: CISO
DFHIS1036 date time applid Unable to process Local Queue for IPCONN ipconn. IPCONN connected to system that does not support STARTs over IPIC.

Explanation: The CISQ service task has been attached to process locally queued START requests for an IPCONN that was released at the time they were scheduled. This task has been unable to send the requests to the remote region, because when the connection became acquired, it was discovered that the remote region does not support the routing of START requests over IPIC.

System action: The CISQ task deletes the local queue before ending normally.

User response: Do not attempt to hold START NOCHECK requests in the local queue of an IPCONN that ultimately connects to a system that does not support the routing of START requests over IPIC connections.

Module: DFHISLQ

XMEOUT Parameters: date, time, applid, ipconn

Destination: CISO

DFHIS1037 date time applid Log data sent on IPCONN ipconn is: 'data'.

Explanation: This is an informational message. The transaction is communicating over an IPIC session. It has sent an error flow (IS7) which carries log data.

System action: The transaction continues processing.

User response: None

Module: DFHISIS

XMEOUT Parameters: date, time, applid, ipconn, data

Destination: CISO

DFHIS1038 date time applid Invalid host address ipaddr.

Explanation: The IP address from the TCPIPSERVICE is sent in the capability exchange request to the partner CICS for use during IPCONN autoinstall. When HOST(ANY) or IPADDRESS(ANY) have been specified in the TCPIPSERVICE resource definition, the IP address used is the address that is specified in the PRIMARYINTERFACE statement for the TCPIP.PROFILE. exchange request to the partner CICS for use during IPCONN. If this address has not been specified explicitly, the loopback address is used by default. Because the loopback address is not suitable for all IPIC communication, CICS returns an error.

User response: For IPIC communication, the partner systems must explicitly set a value in the PRIMARYINTERFACE statement of the TCPIP.PROFILE so that the loopback address is not used. To define a value in the PRIMARYINTERFACE statement, see the information about the TCP/IP address space, PROFILE.TCPIP, in the z/OS Communications Server IP Configuration Guide.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, ipaddr

Destination: CISO

DFHIS1039 date time applid IPIC Secondary socket request for networkid,applid has failed because a matching IPCONN could not be found.

Explanation: An attempt has been made to establish a secondary socket for an IPIC connection that cannot be matched to an installed IPCONN resource with the same networkid and applid. The request has been rejected.

System action: An exception trace is written by IS domain, the TCPIPSERVICE task CISS, attached to handle the incoming connection, is terminated and the session used to process the received IPIC message is closed. An error response is returned to the TCP/IP client that sent the original message.

User response: Examine the TCP/IP network configuration between the client and this CICS region. The use of TCP/IP connection balancing configuration such as TCP/IP Port Sharing is not supported with IPIC and can introduce errors such as this. Disable or remove the connection balancing configuration and attempt to reacquire the IPIC connection.

Module: DFHISCO

XMEOUT Parameters: date, time, applid, networkid, applid

Destination: CISO

DFHIS1040 date time applid Unable to schedule transaction CRSR for IPCONN ipconn.

Explanation: An attempt was made to schedule transaction CRSR for IPCONN ipconn because a remote request to start a transaction failed. For more details see the error message on the terminal on which the request was requested to run.

System action: The request is deleted from the system.

User response: Examine the trace (if one is available) to determine why the attempt was rejected. Release and re-acquire the IPCONN to ensure ATI requests can still flow to the terminal.

Module: DFHISRS

XMEOUT Parameters: date, time, applid, ipconn

Destination: CISO
DFHIS1041  date time applid Identity Propagation error has occurred while using IPCONN ipconn and transaction id transid.

Explanation: An attempt to send a request across an IPIC connection has failed because the partner region has asked for an ICRX Identity Propagation token, and the ICRX token assigned to the current task is larger than the maximum token size that the IPIC message protocol supports.

System action: The request is not sent to the remote system.

User response: ICRX tokens are not provided by CICS. An ICRX token is passed into a region in a message from another product, and the token is inherited by the task that is attached to process the message. The IPIC message protocol supports ICRX tokens that are smaller than 2000 bytes. You must review the size of ICRX tokens that are passed to CICS to ensure that they do not exceed 2000 bytes.

Module: DFHISXM

XMEOUT Parameters: date, time,applid, ipconn, transid

Destination: CISO

DFHIS1042  date time applid Transaction transid not defined.

Explanation: IS domain system transaction transid is not defined. This transaction is required for IS domain function correctly.

System action: An exception trace is written by IS domain and a system dump is taken. CICS initialization continues but the IS domain will not function correctly.

User response: This message normally occurs because new IS domain system transactions were added for a new release but their resource definitions have not been installed. Upgrade the CICS-supplied resource definitions using the UPGRADE function of the CSD utility program DFHCSDUP.

Module: DFHISCO

XMEOUT Parameters: date, time,applid, transid

Destination: CISO

DFHIS2000  date time applid Server web session sessindex with applid applid on host hostname(resolved), port portnumber acquired for IPCONN ipconn.

Explanation: Web session sessindex on IPCONN ipconn was acquired successfully and is ready for use by IP interconnectivity (IS) domain.

System action: When all send web sessions for the IPCONN have been acquired, the IPCONN state is changed to ACQUIRED.

DFHIS2001  date time applid Client web session sessindex from applid applid accepted for IPCONN ipconn.

Explanation: Web session sessindex on IPCONN ipconn was initialized successfully and is ready to receive inbound IPIC requests over TCP/IP.

System action: The IPCONN is updated with the inbound session. Inbound requests for this IPCONN session may now be queued to CISR for processing.

User response: None.

Module: DFHISCO

XMEOUT Parameters: date, time,applid, sessindex, applid, hostname, resolved, portnumber, ipconn

Destination: CISO

DFHIS2002  date time applid Number of SEND sessions for IPCONN ipconn set to usable. Number requested req. Partner limit max.

Explanation: IPCONN ipconn was acquired successfully but the number of send sessions requested, the local IPCONN SENDCOUNT value req, is different from the number of receive sessions allowed, the partner IPCONN RECEIVECOUNT value max.

System action: The maximum number of send sessions is set to the lower of the two values, usable. Storage is wasted in the system with the higher value as sessions will be defined but never used.

User response: Update one or both of the IPCONNs so that the number of send sessions in one matches the number of receive sessions in the other.

Module: DFHISCO

XMEOUT Parameters: date, time,applid, usable, req, max

Destination: CISO

DFHIS2003  date time applid Number of RECEIVE sessions for IPCONN ipconn set to usable. Number requested req. Limit max.

Explanation: IPCONN ipconn was initialized successfully but the number of send sessions requested by the partner, the partner IPCONN SENDCOUNT value req, is different from the RECEIVECOUNT value.

Module: DFHISCO

XMEOUT Parameters: date, time,applid, ipconn, usable, req, max

Destination: CISO
max specified for the IPCONN defined, or autoinstalled, locally in this CICS system.

**System action:** The maximum number of receive sessions is set to the RECEIVECOUNT value, usable. If the system with the higher value is a CICS system, storage may be wasted in it for sessions that are defined but never be used.

**User response:** If the partner is a CICS system, update one or both of the IPCONNs so that the number of send sessions in one matches the number of receive sessions in the other. This message may be expected for connections from non-CICS partners that have non-configurable IPIC connections.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time, applid, ipconn, usable, req, max

**Destination:** CISO

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**DFHIS2006**

**date time applid Port** ipconn_port for IPCONN ipconn different from partner port partner_port.

**Explanation:** The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN ipconn initiated by its partner. It has detected that the port number defined for the local ipconn, ipconn_port, does not match the port number in the capability exchange received from the partner, partner_port. The partner port is that defined in the TCPIPSERVICE associated with the partner’s IPCONN. This behaviour may be expected if TCP/IP address translation occurs between the CICS system and its partner or it may be the result of inconsistent CICS definitions.

**System action:** Processing continues using the port number from the local IPCONN; the partner port is ignored.

**User response:** Correct the port number definition in the local IPCONN or partner TCPIPSERVICE if the definitions are inconsistent.

**Module:** DFHISCO

**XMEOUT Parameters:** date, time, applid, ipconn_port, ipconn, partner_port

**Destination:** CISO

---

**DFHIS2008**

**date time applid Receipt of msgtype for task taskno timed out on IPCONN ipconn.**

**Explanation:** During processing of an IP interconnectivity request, a WB domain read on behalf of task taskno for a msgtype message timed out. The task was using a session on IPCONN ipconn. This condition occurs when IS domain has been notified that data is available on the web session but insufficient data arrives within the task’s rtimout period to satisfy the read. This is probably caused by a network error.

**System action:** The task is abnormally terminated.

**User response:** Inspect the CICS and system logs for network problems relating to the IPCONN. Changing the rtimout value is unlikely to resolve the problem as a partial message has already been received within the rtimout period.

**Module:** DFHISSR

**XMEOUT Parameters:** date, time, applid, msgtype, taskno, ipconn

**Destination:** CISO

---

**DFHIS2009**

date time applid Client web session sessindex in IPCONN ipconn from applid applid released.

**Explanation:** Inbound client web session sessindex in IPCONN ipconn was closed. This may be due to an operator initiated IPCONN release from either the local or the partner system, or it may be the result of an error.

**System action:** The other web sessions in the IPCONN will be drained and closed. Once the other IPCONN web sessions are closed, the IPCONN connection status will move to RELEASED. No further inbound requests can be accepted for this session until the IPCONN is SET ACQUIRED.

**User response:** If this is not due to normal release processing, inspect the CICS log for accompanying error messages.

**Module:** DFHISEM

**XMEOUT Parameters:** date, time, applid, sessindex, ipconn, applid

**Destination:** CISO

---

**DFHIS2010**

date time applid Server web session sessindex in IPCONN ipconn with applid applid on host hostname, port portnumber released.

**Explanation:** The outbound server web session sessindex in IPCONN ipconn was closed. This may be due to an operator initiated IPCONN release from either the local or the partner system, or it may be the result of an error.

**System action:** The other web sessions in the IPCONN will be drained and closed. Once the other IPCONN web sessions are closed, the IPCONN connection status will move to RELEASED. No further allocate_send requests can be accepted for this IPCONN until it is SET ACQUIRED.

**User response:** If this is not due to normal release
processing, inspect the CICS log for accompanying error messages.

**Module:** DFHISEM

**XMEOUT Parameters:** date, time, applid, sessindex, ipconn, applid, hostname, portnumber

**Destination:** CISO

---

**DFHIS2011**

```
  date time applid (PURGE | FORCEPURGE | KILL) issued successfully for
  num_purged tasks using the sessstype
  sessions of IPCONN ipconn. There are
  currently num_active tasks active of
  which num_purging are being purged.
```

**Explanation:** In response to a connection error or to the SPI command SET IPCONN PURGE, IS domain has purged num_purged sessstype session tasks on IPCONN ipconn and sent an IS purge command message to the conversation partner of each task.

The purge_type value indicates whether the SPI command issued was PURGE, FORCEPURGE or KILL and defines the type of the corresponding IS purge command sent to the partner.

**System action:** The purged tasks are resumed for abend. IPCONN sessions may now be allocated by new tasks.

**User response:** If a normal PURGE was issued and the number of active tasks is greater than the number being purged, some tasks may be purge protected. It may be necessary to issue a FORCEPURGE.

KILL may only be used after a FORCEPURGE has been attempted. If a KILL command was issued and the number of active tasks is greater than the number being purged, it may be necessary to issue a FORCEPURGE command.

---

**DFHIS2040**

```
  date time applid Unable to acquire
  IPCONN ipconn due to a security violation
```

**Explanation:** An attempt to acquire the named IPCONN failed due to a security problem. During an attempt to establish IP interconnectivity, the security credentials of the partner system were not found to be valid to allow communication.

**System action:** The request to acquire the IPCONN fails.

**User response:** Verify that the security attributes of the named IPCONN or the TCPIPSERVICE to which the IPCONN refers are correct. If a certificate has been passed by the partner system, verify that it is correctly defined to the external security manager so that it is associated with a valid userid. There may be a previous security message written to TD queue CSQS for further information and guidance. If no previous messages were issued, examine the trace to determine the reason for the failure.

---

**DFHIS3000**

```
  date time applid IPCONN ipconn with
  applid networkid applid autoinstalled
  successfully using autoinstall user
  program aupname and template template
  after a connection request was received
  on tcpipservice tcpipservice from host
  hostname.
```

**Explanation:** An IPCONN with name ipcnn has been successfully autoinstalled on this system in response to a connect flow arriving on TCPIPSERVICE tcpipservice from host hostname. Autoinstall user program aupname and template IPCONN template were used for the autoinstall. Template '(NONE)' indicates that, rather than copy values from a template, the system default values were used. The IPCONN was installed with networkid networkid and applid applid.

**System action:** Processing continues.

**User response:** None required.

---

**DFHIS3001**

```
  date time applid IPCONN autoinstall
  rejected after a connection request was
  received on TCPIPSERVICE tcpipservice
  from host hostname because the
  TCPIPSERVICE has URM(NO).
```

**Explanation:** A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. No attempt was made to autoinstall an IPCONN because the TCPIPSERVICE URM value was NO.

**System action:** The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the URM attribute of the TCPIPSERVICE to the name of an appropriate

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Chapter 4. DFH messages - DFH01 to DFHM 827
autoinstall user program. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC

**XMEOUT Parameters:** date, time, applid, tcpipservice, hostname

**Destination:** CISO

---

**DFHIS3002** *date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. Use of autoinstall user program aupname has caused error code code.*

**Explanation:** A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall failed with error code.

1. The AUP set a non-zero response code in field isaic_response, indicating that the autoinstall should not be allowed.
2. The link to the AUP failed because there is no installed definition for the program and it could not be autoinstalled.
3. The link to the AUP failed because the program was not available. This could be because the program is not enabled, or is defined as remote.
4. The AUP abended during its processing.
5. The link to the AUP failed with an AMODE error.

**System action:** An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the URM attribute of the TCPIPSERVICE to the name of an appropriate autoinstall user program. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC

**XMEOUT Parameters:** date, time, applid, tcpipservice, hostname, aupname, code

**Destination:** CISO

---

**DFHIS3003** *date time applid IPCONN autoinstall failed due to a severe error in another CICS component.*

**Explanation:** An attempt to autoinstall an IPCONN failed due to a severe error in another component of CICS.

**System action:** The autoinstall is rejected. The failing component will have issued messages, trace and dump information relevant to the error.

**User response:** Proceed as directed by the diagnostics from the failing component.

**Module:** DFHISIC

**XMEOUT Parameters:** date, time, applid

**Destination:** CISO

---

**DFHIS3004** *date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned invalid value ipconn for use as the IPCONN name.*

**Explanation:** A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned an invalid value to be used as the IPCONN name in field isaic_ipconn. The special value -blanks- indicates that the field returned blanks (hexadecimal 40s).

**System action:** An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the AUP to return a valid IPCONN name. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC

**XMEOUT Parameters:** date, time, applid, tcpipservice, hostname, aupname, ipconn

**Destination:** CISO

---

**DFHIS3005** *date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned ipconn for use as the IPCONN name. This name is already in use.*

**Explanation:** A connect flow arriving on
TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned ipconn in field isaic_ipconn to be used as the IPCONN name. That name is already in use in the system.

**System action:** An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the AUP to return a unique IPCONN name. The CICS-supplied sample autoinstall required, then change the AUP to return a unique

**Explanation:** A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned template in field isaic_template to be used as the name of the IPCONN template for the autoinstall. This IPCONN is currently out of service, and so cannot be used as a template.

**System action:** An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the AUP to return a different template name, leave it blank, or put the template IPCONN in service and retry. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC

**XMEOUT Parameters:** date, time,applid, tcpipservice, hostname,aupname, ipconn

**Destination:** CISO

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**DFHIS3008**

**date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned applid for use as the applid. This is already in use.**

**Explanation:** A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname contained a blank applid or an applid that did not match an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP set a value in isaic_applid that would cause the fully qualified applid of the IPCONN to be applid. This applid is already in use.

**System action:** An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response:** If autoinstall of the IPCONN is required, then change the AUP to return a unique applid. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC

**XMEOUT Parameters:** date, time,applid, tcpipservice, hostname,aupname, template

**Destination:** CISO
DFHIS3009 • DFHIS3031 E

(COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module: DFHISIC

XMEOUT Parameters: date, time, applid, tcpipservice, hostname, aupname, applid

Destination: CISO

DFHIS3009  date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned sysid for use as the IPCONN name. This is already in use for a CONNECTION with a different applid.

Explanation: A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname contained a blank applid or an applid that did not match an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP set a value of sysid in isaic_ipconn for the IPCONN name. This is the same as a currently installed CONNECTION resource definition and that CONNECTION has a NETNAME value that is different to the APPLID of the IPCONN (in isaic_applid) and so must represent a different system.

System action: An exception trace of the AUP commarea is made. The connect flow is rejected.

User response: Change the AUP to return a name consistent with installed CONNECTION definitions. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module: DFHISIC

XMEOUT Parameters: date, time, applid, tcpipservice, hostname, aupname, sysid

Destination: CISO

DFHIS3009  date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned sysid for use as the IPCONN name. This is already in use for a CONNECTION with a different applid.

Explanation: A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname contained a blank applid or an applid that did not match an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP set a value of sysid in isaic_ipconn for the IPCONN name. This is the same as a currently installed CONNECTION resource definition and that CONNECTION has a NETNAME value that is different to the APPLID of the IPCONN (in isaic_applid) and so must represent a different system.

System action: An exception trace of the AUP commarea is made. The connect flow is rejected.

User response: Change the AUP to return a name consistent with installed CONNECTION definitions. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module: DFHISIC

XMEOUT Parameters: date, time, applid, tcpipservice, hostname, aupname, port

Destination: CISO

DFHIS3011  date time applid Failed to invoke Autoinstall User Program aupname during discard of IPCONN ipconn.

Explanation: During discard or release of autoinstalled IPCONN ipconn, autoinstall user program (AUP) aupname was invoked with function delete. The link to the AUP failed.

System action: An exception trace of the AUP commarea is made. The deletion completes.

User response: Ensure that the AUP is available.

Module: DFHISIC

XMEOUT Parameters: date, time, applid, aupname, ipconn

Destination: CISO

DFHIS3030 I date time applid IPCONN name (installed | deleted).

Explanation: CICS has installed or deleted IPCONN name.

System action: CICS continues.

User response: None.

Module: DFHISIC

XMEOUT Parameters: date, time, applid, name, (1=installed,2=deleted)

Destination: CISL

DFHIS3031 E  date time applid Transaction tranid failed to establish security for userid userid with IPCONN ipconn. SAF codes are (X'safresp',X'safreas'), ESM codes are (X'esmresp',X'esmreas').

Explanation: An attempt was made using the specified transaction identifier to establish security for the specified user ID and IPCONN resource, but the attempt was rejected by the external security manager (ESM).
This occurred either when the IPCONN resource was installed or when a task was attached to use the IPCONN resource.

**System action:** According to the security attributes defined for the IPCONN resource, either the IPCONN resource cannot be used for communication or use of the IPCONN resource continues but with security access set to that of the default user ID. There might be other security failure messages issued.

The external security manager (ESM) might also have issued messages which indicate the cause of the rejection.

**User response:** Ensure the resource definition for the specified IPCONN resource has correct security attributes.

Ask your security administrator to ensure there are correct external security manager (ESM) definitions to allow the user ID to be used with the IPCONN resource.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS Security Server RACROUTE Macro Reference.

There might be other messages produced by CICS or the external security manager (ESM) which provide more information. See the job output for any further diagnostic messages.

**Module:** DFHISIC, DFHISIC, DFHISIS

**XMEOUT Parameters:** date, time, applid, tranid, userid, ipconn, X’safresp’, X’safreas’, X’esmresp’, X’esmreas’

**Destination:** CISL

**DFHIS3032 E**  date time applid Transaction tranid using terminal termid failed to establish security for userid userid with IPCONN ipconn. SAF codes are (X’safresp’,X’safreas’), ESM codes are (X’esmresp’).

**Explanation:** The specified transaction using the specified terminal attempted to establish security for the user ID and IPCONN resource, but the attempt was rejected by the external security manager (ESM).

This occurred when a transaction was being started to use the IPCONN resource.

**System action:** Security has not been established for the user ID. The attempt to start the transaction has failed.

The external security manager (ESM) might also have issued messages which indicate the cause of the rejection.

**User response:** Ensure the resource definition for the specified IPCONN resource has correct security attributes.

Ask your security administrator to ensure there are correct external security manager (ESM) definitions to allow the user ID to be used with the IPCONN resource.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS Security Server RACROUTE Macro Reference.

There might be other messages produced by CICS or the external security manager (ESM) which provide more information. See the job output for any further diagnostic messages.

**Module:** DFHISIC

**XMEOUT Parameters:** date, time, applid, tranid, userid, ipconn, X’safresp’, X’safreas’, X’esmresp’

**Destination:** CSMT

**DFHIS3041**  date time applid mmmm AIDs [canceled | force-canceled] for IPCONN conname. mmmm AIDs remain.

**Explanation:** AIDs queuing for IPCONN conname have been canceled or force-canceled. This could be due to IPCONN reinstall, or as a result of a SPI or CEMT SET IPCONN(conname) CANCEL or FORCERCANCEL command. Any AIDs remaining after this operation are also enumerated in this message. See the CICS System Programming Reference for more information.

**System action:** Requests represented as AIDs queuing
for the IPCONN will have been purged from the system.

User response: None.
Module: DFHISIC
XMEOUT Parameters: date, time, applid, nnnn, {1=canceled,2=force-cancelled}, conname, nnnn
Destination: CSMT

DFHIS4000  date time applid Conversation failure on IPCONN ipconn. Sense code (X’sense’).
Message (msgtext).

Explanation: An error flow (IS7) was received on IPCONN ipconn when a normal request or response was expected. The sense code for the error was sense. The message associated with the error on the other system is msgtext.

System action: An exception trace of the IS7 and associated data is made. The receiving transaction will be abended.

User response: Determine what caused the other system to send the IS7 by using the diagnostics issued on that system.
Module: DFHISZA
XMEOUT Parameters: date, time, applid, ipconn, X’sense’, msgtext
Destination: CISO

DFHIS5000I  applid IP connection name operating normally following recovery action.

Explanation: Message DFHIS5000 has been issued for this IP connection. The IP connection has now recovered and is operating normally.

System action: Processing continues.
User response: None
Module: DFHISAL
XMEOUT Parameters: applid, name
Destination: Console

DFHIS5001I  applid IP connection name operating normally following recovery action.

Explanation: The XISQUE global user exit program has been invoked by CICS because of a potential problem with the IP connection. The global user exit has used return code UERCAKLL indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHIS5001 may follow indicating that the connection has recovered.

This message may also occur when the XISQUE global user exit is disabled but the connection has been at the QUEUELIMIT for MAXQTIME where both parameters are specified in the connection definition.

System action: CICS cancels all transactions which have outstanding queued requests to use the connection.

User response: Investigate the cause of the poor performance of the IP connection. Check the availability and condition of the connected system.
Module: DFHISAL
XMEOUT Parameters: applid, name
Destination: Console

DFHIS5002  date time applid nnnn queued requests to use IPCONN ipconn have been cancelled. There are nnnn requests which remain queued.

Explanation: Requests that are queuing to use IPCONN ipconn have been cancelled. This could be due to the reinstall of an IPCONN, as a result of a SPI or CEMT SET IPCONN(ipconn) CANCEL command or as part of recovery from a previous error. Any queued requests that remain after this operation are also enumerated in this message.

System action: Requests that are queuing to use the IPCONN are purged from the system.
User response: None
Module: DFHISAL
XMEOUT Parameters: date, time, applid, nnnn, ipconn, nnnn
Destination: Console

DFHIS5003  date time applid nnnn queued requests to use IPCONN ipconn have been cancelled. There are nnnn requests which remain queued.

Explanation: Requests that are queuing to use IPCONN ipconn have been cancelled. Some of the requests that were cancelled may have been system requests. This could be due to the reinstall of an IPCONN, as a result of a SPI or CEMT SET IPCONN(ipconn) FORCECANCEL command or as part of recovery from a previous error. Any queued requests that remain after this operation are also enumerated in this message.

System action: Requests that are queuing to use the IPCONN are purged from the system.
User response: None.

Module: DFHISAL

XMEOUT Parameters: date, time, applid, nnnnnnnn, ipconn, nnnnnnnn

Destination: CISO

DFHIS6000  date time applid IP Interconnectivity Recovery. A process error has occurred while running transaction CISX.

Explanation: An attempt to return a list of XIDs by the CISX transaction has failed. The XIDs are those associated with unresolved in-doubt units of work relating to XA clients of the region. The cause of the failure may be an internal domain call error or because the associated task has been purged by the system.

System action: An exception trace is written by IS domain, and by the domain call that failed. An IS7 response message is returned to the XA client that requested this operation.

User response: Resubmit the request to find the list of XIDs. If the problem persists you will need further assistance from IBM to resolve this problem.

Module: DFHISRE

XMEOUT Parameters: date, time, applid

Destination: CISO

DFHIS6003  date time applid IP Interconnectivity Recovery. A communications error has occurred. The unit of work uowid for XID XID has been committed.

Explanation: While carrying out a resynchronization attempt for a local unit of work, the CISX task was unable to send a response to its XA client as communication had been lost.

System action: The local unit of work updates are committed. CICS writes an exception trace and then terminates the CISX task.

User response: Manual resynchronization of the updates on the client side may be needed in order for the XA client’s task to be synchronized with the unit of work that CICS successfully committed.

Module: DFHISRE

XMEOUT Parameters: date, time, applid, uowid, XID

Destination: CISO

DFHIS6004  date time applid IP Interconnectivity Recovery. A communications error has occurred. The unit of work uowid for XID XID has been backed out.

Explanation: While carrying out a resynchronization attempt for a local unit of work, the CISX task was unable to send a response to its XA client as communication had been lost.

System action: The local unit of work updates are rolled back. CICS writes an exception trace and then terminates the CISX task.

User response: Manual resynchronization of the updates on the client side may be needed in order for the XA client’s task to be synchronized with the unit of work that CICS successfully committed.

Module: DFHISRE
DFHIS6005  •  DFHIS6010

XMEOUT Parameters: date, time, applid, uowid, XID
Destination:  CISO

DFHIS6005  date time applid IP Interconnectivity
Recovery. An attempt to resynchronize a
unit of work with an XID of XID has
failed because the unit of work could
not be found.

Explanation:  While carrying out a resynchronization
attempt for a local unit of work, the CISX task could
not find a unit of work for the given XID.

System action:  The resynchronization attempt fails
and an IS7 response is returned to the XA client. The
CISX task is ended.

User response:  It is possible that another task has
completed the CICS unit of work. Check that the XID is
still valid and if it is then manually complete the XA
client task associated with it.

Module:  DFHISRE
XMEOUT Parameters: date, time, applid, XID
Destination:  CISO

DFHIS6006  date time applid IP Interconnectivity
Recovery. Resynchronization has failed,
because of an error in the partner
region, for the following local UOW
X’localuowid’  IPCONN  name
transaction tranid task number trannum
terminal termid user userid.

Explanation:  Resynchronization of the unit of work
cannot be completed following the re-acquiring of an
IPCONN, because the partner region has encountered
an error during the resynchronization attempt. This
unit of work will be retained until it can be resolved.

System action:  The unit of work remains shunted and
the connection is placed into a PENDING state until
this and any other units of work are resolved.

User response:  Look for messages in the partner
region identifying the cause of the error there. Once the
cause of the error has been removed a further
resynchronization attempt can be made by re-acquiring
the IPCONN resource.

Module:  DFHISRE, DFHISCU
XMEOUT Parameters: date, time, applid, X’localuowid’,
ipconn
Destination:  CSMT

DFHIS6007  date time applid IP Interconnectivity
Recovery. Resynchronization not
possible, because the corresponding unit
of work could not be found by the
partner region, or its outcome is
currently indoubt, for the following
local UOW X’localuowid’ associated with
IPCONN ipconn.

Explanation:  Resynchronization of the unit of work
cannot be completed following the reacquiring of an
IPCONN, or the propagation of an UNSHUNT request,
because the corresponding unit of work could not be
found by the partner region, or because it is still
waiting to be resynchronized with another region. The
local unit of work has been retained until it can be
resolved manually or via a subsequent
resynchronization attempt.

System action:  The unit of work remains shunted and
the connection is placed into a PENDING state until
this and any other units of work are resolved.

User response:  Examine the records from the partner
system to determine the outcome of the corresponding
unit of work there. If the outcome there is unknown
then this may be because the remote unit of work is
itself waiting for a resynchronization attempt with
another region, and when that takes place the local unit
of work will be completed. If instead, the remote unit
of work no longer exists then force the local unit of
work to complete using the SET UOW command. Once
all such local units of work have been resolved the
connection can be set to NOTPENDING to place it in
service.

Module:  DFHISRE, DFHISCU
XMEOUT Parameters: date, time, applid, X’localuowid’,
imconn
Destination:  CSMT

DFHIS6010  date time applid IP Interconnectivity
Recovery. Resynchronization not
possible for the following local UOW
X’localuowid’  IPCONN  name name
transaction tranid task number trannum
terminal termid user userid.

Explanation:  Resynchronization of the unit of work
cannot be completed following the re-acquiring of an
IPCONN, because the partner region has carried out an
initial start and lost the log data relating to the
outcome of this unit of work. The IPCONN resource
specifies XLNATION(KEEP), which means that this
unit of work will be retained until it can be resolved.

System action:  The unit of work remains shunted and
the connection is placed into a PENDING state until
this and any other units of work are resolved.

User response:  Force the local unit of work to
complete using the SET UOW command. Once all such
local units of work have been resolved the connection can be set to NOTPENDING to place it in service.

Module: DFHISRE

DFHJCnnnn messages

DFHJC4522 DDNAME *ddname* HAD A PERMANENT I/O ERROR.

Explanation: An unrecoverable I/O error occurred while the CICS journal print utility was processing the data set defined in the DD statement *ddname*.

System action: If the error occurred on an output data set, and multiple output copies were specified, processing continues with the other copies. Otherwise, the journal print utility terminates abnormally.

User response: If the error occurred on an output data set, and you wish to rerun, change the DD statement to refer to a different volume, and resubmit the job. Take the original volume offline for recovery, if possible.

If the error occurred on an input data set, to be able to recover you must have a backup copy of the defective volume. You can change the DD statement to refer to the backup volume, and rerun the job. If you have a backup copy of a defective disk, you can use IBM utilities to recover the disk by flagging the defective track and pointing to an alternate track.

Module: DFHJUP

Destination: SYSPRINT

DFHJC4523 PROCESSING IS BEING TERMINATED FOR THIS OPTION.

Explanation: This is an informatory message issued by the CICS journal print utility, when it completes processing for an OPTION card. The card referred to is the last OPTION card before this message on SYSPRINT.

System action: The journal print utility continues processing with the next option.

User response: If no other messages appear between the OPTION card and this message, the termination is normal. If other messages have been issued, check them to see if the termination is normal or abnormal. If abnormal termination has occurred, correct the errors notified in other message(s), and resubmit the job.

Module: DFHJUP

Destination: SYSPRINT

DFHJC4524 INVALID CONTROL CARD FORMAT.

Explanation: The CICS journal print utility detected an error in an input CONTROL card. The card is displayed on SYSPRINT on the line before this message.

System action: The journal print utility ignores the invalid card, and assumes standard defaults.

User response: If the output of the run is not what you want, correct the invalid card and resubmit the job.

Module: DFHJUP

Destination: SYSPRINT

DFHJC4525 INVALID CARD TYPE.

Explanation: The CICS journal print utility read an input card that did not contain one of the following strings starting in column 1

'CONTROL', 'OPTION', '*', or 'END'.

The invalid card is displayed on SYSPRINT in the line before this message.

System action: The journal print utility ignores the invalid card and continues processing.

User response: If the job fails or the output is not what you want, correct the invalid card and resubmit the job.

Module: DFHJUP

Destination: SYSPRINT

DFHJC4526 INVALID OPTION CARD OR PRIOR ERROR.

Explanation: The CICS journal print utility detected an error in an OPTION card or ignored it because of a previous error. The card is displayed in the line before this message.

System action: The journal print utility ignores the card and continues processing.

User response: If the job fails or the output is not what you want, correct the error and resubmit the job.

Module: DFHJUP

Destination: SYSPRINT

DFHJC4527 END OF JOB.

Explanation: This is an end-of-job information message issued by the CICS journal print utility when it terminates normally. Errors may have been detected but none was sufficient to cause abnormal termination.

System action: The journal print utility terminates normally.
**User response:** Check that all options completed normally. If not, submit another job for the options that you still need.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4528**  
**NO OPTION CARDS SUPPLIED.**

**Explanation:** The CICS journal print utility detected that, for one CONTROL card
1. No OPTION cards were supplied OR
2. All the OPTION cards contained errors (notified in previous messages).

**System action:** The journal print utility does no processing for the CONTROL card with no OPTION cards.

**User response:** Supply correct OPTION cards for the options you want and resubmit the job.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4529**  
**UNABLE TO OPEN INPUT FILE.**

**Explanation:** The CICS journal print utility was unable to open the input data set associated with the CONTROL card displayed before this message.

**System action:** The journal print utility continues processing with the next input card.

**User response:** Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4530**  
**ELEMENT LIST ERROR.**

**Explanation:** The CICS journal print utility detected an error while processing an input file.

**System action:** The journal print utility terminates processing with the MVS user abend code 0185.

**User response:** This is usually caused by a previous error, for which a message has been issued. If any previous error messages were displayed, make the necessary corrections and resubmit the job.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4531**  
**END OF FILE ON INPUT.**

**Explanation:** The CICS journal print utility has reached EOF on the current input file.

**System action:** The journal print utility completes processing for the CONTROL card preceding this message on SYSPRINT.

**User response:** None.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4532**  
**OPTION COMPLETE.**

**Explanation:** The CICS journal print utility has completed processing for the OPTION card preceding this message on SYSPRINT.

**System action:** The journal print utility continues processing with the next OPTION card or, if there are no further options before the END card, completes processing for the current control card.

**User response:** None.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4533**  
**UNABLE TO OPEN OUTPUT FILE.**

**Explanation:** The CICS journal print utility was unable to open the output data set associated with the last CONTROL card displayed on SYSPRINT before this message.

**System action:** The journal print utility terminates processing for this CONTROL card, and continues processing with the next CONTROL card.

**User response:** Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

**Module:** DFHJUP  
**Destination:** SYSPRINT

---

**DFHJC4534**  
**NO ELEMENT LIST ADDRESS.**

**Explanation:** During CICS journal print utility processing, an error occurred in building the element list.

**System action:** The journal print utility terminates processing for this element list, and terminates abnormally with the MVS user abend code, 0184.

**User response:** This is an internal error in the journal print utility, DFHJUP. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHJUP
Destination: SYSPRINT

DFHJC4571  AN ERROR (CODE X'code') HAS OCCURRED IN THE USER EXIT PROGRAM.

Explanation: An error has been detected in the user exit program. The code code is the value returned in register 15 from the exit program to DFHJUP. The journal print utility terminates without processing any remaining OPTION cards.

User response: Correct the error in the user exit program and resubmit the job.

Module: DFHJUP
Destination: SYSPRINT

DFHKCnmmm messages

DFHKC0102 date time applid terminal userid tranid PFT entry for profname has been added.

Explanation: This is an audit log message indicating that profile entry profname has been added to the PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.
userid is the user identifier of the operator performing the INSTALL command.
tranid is the transaction used to perform the INSTALL command.

System action: The system continues normally.

User response: None.
Module: DFHKCQ
XMEOUT Parameters: date, time,applid, terminal, userid, tranid, profname
Destination: CSKL

DFHKC0104 date time applid terminal userid tranid PFT entry for profname has been deleted.

Explanation: This is an audit log message indicating that profile entry profname has been deleted from the CICS profile table (PFT) using the DISCARD command.

terminal is the netname or termid of the terminal at which the DISCARD command was entered.
userid is the user identifier of the operator performing the DISCARD command.
tranid is the transaction used to perform the DISCARD command.

System action: The system continues normally.

User response: None.
Module: DFHKCQ
XMEOUT Parameters: date, time,applid, terminal, userid, tranid, profname
Destination: CSKL

DFHKC0106 date time applid terminal userid tranid PFT

DFHKC0301 applid Program DFHKCRP cannot be found.

Explanation: The transaction manager recovery program is not available. CICS cannot find DFHKCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action: CICS terminates abnormally with a dump.

User response: To correct this error, place DFHKCRP in a partitioned data set in the DFHRPL DD statement.
Module: DFHKCQ
XMEOUT Parameter: applid
Destination: Console

DFHKC0302 applid Transaction Manager restart failed.
Reason - rc.

Explanation: During transaction manager initialization, CICS executes the following steps in the order in which they are listed:

1 Building the profile table (PFT) directory.
Purging profile definitions from the global catalog using the catalog domain.

Restoring profile definitions from the global catalog using the catalog domain.

The transaction manager restart has failed for reason rc, where rc indicates the job step that did not complete successfully. Subsequent steps have not been attempted.

**System action:** CICS terminates the task under which DFHKCRP is running with an AKCB abend code, and issues message DFHSI1521.

**User response:** Examine the trace in the CICS AKCB transaction dump to see the history of the task that DFHKCRP is running under for further information regarding the precise cause of the failure.

**Module:** DFHKCRP

**XMEOUT Parameters:** applid, rc

**Destination:** Console

**DFHKC0308I applid ERROR OCCURRED IN SRB MODE.**

**Explanation:** An error such as a program check was detected by the operating system during the execution of a unit of work scheduled by means of a service request block (SRB). The SRB was scheduled, directly or indirectly, by CICS in order to issue a z/OS Communications Server authorized path request.

A message could not be issued because the error was detected when running under an SRB.

**Diagnostics:** The error is handled by a functional recovery routine (FRR) in DFHKCSP. This FRR saves the system diagnostic work area (SDWA) if one was provided, and issues a CALLRTM to terminate the CICS TCB with user abend code 0308.

This, in turn, causes the ESTAE exit established by DFHKESTX to be taken, resulting in the storing of the CICS TCB status and provision of a dump as for abends occurring during execution under the CICS TCB.

The SDWA saved by DFHKCSP may be located in the dump by

- Finding the module itself (look for characters 'DFHKCSP').
- Finding the save area (look for characters 'SRB SDWA SAVE AREA'); the SDWA follows this character string.

**Analysis:** The SDWA, located as described above, is a standard MVS SDWA. The principal contents of the SDWA are

**SDWAGRSV**

General registers 0 through 15

**SDWAEC1**

Program status word (PSW) at the time of the interrupt.

In general, registers 12 and 13 will not address a TCA or the CSA.

The registers and PSW recorded in DFHKESTX represent the state of the CICS TCB when CICS was terminated by the FRR. Normally this information is not relevant to the cause of the failure, but may give clues to the environment in which the SRB was running.

**System action:** CICS is terminated with user abend code U0308. The system diagnostic work area (SDWA) presented at the time of error is copied into module DFHKCSP. DFHKCSP resides in protected storage and can be printed from an MVS region dump.

**User response:** Locate the SDWA, situated in DFHKCSP after the characters “SRB SDWA WORK AREA”. This contains the PSW and registers at the time of the error.

If the address in SDWAEC1 is in CICS code, examine the code to determine the expected register contents at this point. If this does not suggest any obvious local problem, look for a pointer to the RPL associated with the SRB mode execution. This will indicate the location of the MVS save area.

If the address in SDWAEC1 is not in CICS code (that is in MVS), try using the contents of register 13 to trace back through the save areas to the one provided by CICS. The contents of this save area will show the point of call in CICS (in DFHZHPRX), and the arguments passed to the access method, in particular the address of the RPL (register 1). Failure in an access method may be due to an incorrect RPL. Therefore check the ACB address, entry point, and I/O area address. When CICS is executing in SRB mode, it is not possible for the message to be issued. However, user abend code 308 is generated and should appear in message DFHSR0606.

**Module:** DFHKCSP

**Destination:** Console

**DFHKEnnnn messages**

**DFHKEnnnn** applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit
DFHKE0002 • DFHKE0004

DFHKE0002  applid A severe error (code X'code') has occurred in module modname.

Explanation:  An error has been detected in module modname. The code code is the exception trace point id which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action:  An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response:  This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module:  DFHKEDD, DFHKEGD, DFHEIN

XMEOUT Parameters:  applid, X'code', modname

Destination:  Console

DFHKE0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation:  A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action:  An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.
DFHKE0005 • DFHKE0101

User response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHKETI

DFHKE0101 applid DFHSIP IS NOT APF-AUTHORIZED. CICS WILL TERMINATE.

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected a hardware error and you should first investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHKETI

Destination: Console
that DFHSIP is not APF-authorized.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action:** CICS will terminate. The CICS job step terminates with return code 12.

**User response:** All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

**Module:** DFHKESIP

**Destination:** Console

---

DFHKE0102  *applid* UNSUCCESSFUL

**Explanation:** A domain has failed to pre-initialize and as a result the system will terminate.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

Since this problem has occurred so early in CICS initialization, possible causes include a severe lack of storage or corruption of the local catalog.

**System action:** CICS terminates.

**User response:** Examine all earlier messages sent to the console to look for any obvious cause of the domain pre-initialisation failure.

If you cannot find the cause of the failure from the messages, inform the system programmer. If a dump is taken, investigate this problem using the exception trace which is issued by the failing domain.

You may need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHKETCB.

**Destination:** Console

---

DFHKE0103  *applid* IDENTIFY FAILED IN MODULE *modname*. MVS CODE *mvscode*. CICS WILL TERMINATE.

**Explanation:** The kernel has issued an MVS IDENTIFY service which has failed.

The code *mvscode* is the MVS IDENTIFY return code.

During initialization, CICS might not have access to the applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action:** Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter has been specified.

- If PARMERR=ABEND, CICS is terminated with a system dump.
- If PARMERR=IGNORE, CICS is terminated with a system dump.
- If PARMERR=INTERACT, the operator is prompted to enter another SVC number, or to bypass entry. If the operator bypasses entry, CICS is terminated with a system dump.

**User response:** The CICS Type 3 SVC is defined to MVS in SYS1.PARMLIB member IEASVCxx. SVC *svcno* must be defined as a Type 3 SVC with an entry point equal to the entry point name specified when the SVC module was installed into SYS1.LPALIB. Ensure that this is the case.

**Module:** DFHKEGD.

**Destination:** Console

---

DFHKE0105  *applid* CICS INITIALIZATION IS NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.

**Explanation:** The kernel has detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS.

**System action:** CICS will terminate. The CICS job step terminates with return code 12.
DFHKE0106  DFHKE0209

User response: Refer to the CICS Program Directory and install the pre-requisite operating system release level or higher.

Module: DFHKESIP
Destination: Console

DFHKE0106 applid GETMAIN FAILED IN MODULE modname, R15=mvscode. CICS WILL TERMINATE.

Explanation: The kernel has issued an MVS GETMAIN which has failed.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: CICS terminates. The CICS job step terminates with abend code U1800.

User response: Inform the system programmer.

To resolve the problem, use the MVS GETMAIN return code mvscode and the z/OS MVS Authorized Assembler Services Guide to determine why the GETMAIN failed.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination: Console

DFHKE0201 applid ABOUT TO TAKE SDUMP. DUMPCODE: dumpcode, DUMPID: dumpid. (MODULE modname).

Explanation: An error during pre-initialization or termination, possibly signalled by a previous message, has caused the kernel domain to take a dump, which will issue this message immediately before calling the MVS SDUMP facility.

The dump code dumpcode is the 8-character dump code ‘KERNDUMP’.

The dumpid dumpid is the string ’0/0000’.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: When the dump is complete, message number DFHKE0202 is issued.

User response: Inform the system programmer. See the associated dump and error messages for further guidance.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination: Console

DFHKE0202 applid SDUMP COMPLETE. (MODULE modname).

Explanation: This message is issued on successful completion of an SDUMP.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: CICS will terminate.

User response: Print off the system dump if required. A previous MVS message will identify in which SYS1.DUMP data set this dump can be found.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination: Console

DFHKE0208 applid SDUMP BUSY - CICS WILL RETRY IN FIVE SECONDS. (MODULE modname).

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the DURETRY parameter on the SIT means that CICS waits for five seconds before reissuing the SDUMP request.

System action: CICS issues an MVS STIMERM macro which causes CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS delays and retries every five seconds for a total time equal to the number of seconds specified on the DURETRY system initialization parameter.

User response: None.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination: Console

DFHKE0209 applid RETRYING SDUMP. (MODULE modname).

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHKE0208) and is now reissuing the SDUMP request.

System action: CICS reissues the SDUMP request.

User response: None.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination: Console
**DFHKE0210**

applid SDUMP REQUEST FAILED.

**(MODULE modname) - reason.**

**Explanation:** An MVS SDUMP request from CICS signaled by message DFHKE0201 has failed to complete successfully. The possible reasons *reason* for the failure are detailed below.

**SDUMP RETURN CODE X'04' ONLY PARTIAL DUMP**

The SYS1.DUMP data set to which the dump was written was not large enough to contain all of the dumped storage.

**SDUMP RETURN CODE X'08' REASON X'02' SDUMP BUSY**

At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request.

If a nonzero value has been specified for the DURETRY SIT parameter, CICS will have retried the SDUMP request every five seconds for the specified period. This message is issued if SDUMP is still busy after the final retry.

**SDUMP RETURN CODE X'08' REASON X'03' SUPPRESSED BY INSTALLATION.**

The dump was suppressed by a request by the installation (for example: DUMP=NO at IPL; or CHNGDUMP SET,NODUMP).

**SDUMP RETURN CODE X'08' REASON X'04' SUPPRESSED BY SLIP.**

The dump was suppressed by a SLIP NODUMP command.

**SDUMP RETURN CODE X'08' REASON X'05' NO DATA SET AVAILABLE**

No data set is available for the SDUMP request.

**SDUMP RETURN CODE X'08' REASON X'08' SUPPRESSED BY DAE.**

The dump was suppressed by the Dump Analysis and Elimination feature (DAE).

**SDUMP RETURN CODE X'08' REASON X'3E' MAXSPACE EXCEEDED.**

SVC dump is already using the maximum amount of virtual storage (as determined by the installation, using the MAXSPACE parameter on the CHNGDUMP command) to process other dumps.

**SDUMP RETURN CODE X'08' REASON X'46' INSUFFICIENT DISK SPACE.**

SVC dump stopped the dump because the System Resources Manager (SRM) detected a critical shortage of auxiliary storage.

**SDUMP RETURN CODE X'nn' REASON X'nn'**

MVS rejected the SDUMP request for some other reason than those listed above. *X'nn'* gives the hexadecimal SDUMP return code and *X'mm'* gives the hexadecimal SDUMP reason.

**NOT AUTHORIZED IN CICS**

SDUMP is not authorized for this CICS run.

**INSUFFICIENT STORAGE**

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMP request. The GETMAIN was rejected by MVS.

**STIMERM FAILED**

In order to delay for five seconds before retrying SDUMP after an SDUMP busy condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

**DFHDUSVC FESTAE FAILED**

CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMP request. The FESTAE has been rejected by MVS.

**DFHDUSVC FUNCTION INVALID**

CICS called DFHDUSVC during the processing of the SDUMP request. The function passed to DFHDUSVC was invalid.

During initialization, CICS does not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action:** CICS proceeds as if the dump had been successful.

**User response:** The user response depends on the reason for the failure:

**SDUMP RETURN CODE X'04' ONLY PARTIAL DUMP**

Examine the reason code that explains why the partial dump was taken. This code is contained in the MVS message IEA911E. See the MVS System Messages, Volume 1 for a description of this reason code.

**SDUMP RETURN CODE X'08' REASON X'02' SDUMP BUSY**

Cause the SDUMP to be reissued by increasing the DURETRY value on the SIT.

**SDUMP RETURN CODE X'08' REASON X'03' SUPPRESSED BY INSTALLATION**

No action is required if the dump was suppressed deliberately.

**SDUMP RETURN CODE X'08' REASON X'04' SUPPRESSED BY SLIP.**

Delete the relevant SLIP trap with the SLIP DEL command and then cause the SDUMP request to be reissued.
**DFHKE0301**

**SDUMP RETURN CODE X'08' REASON X'05' NO DATA SET AVAILABLE**
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

**SDUMP RETURN CODE X'08' REASON X'0B' SUPPRESSED BY DAE.**
Stop the Dump Analysis and Elimination service by issuing the command SET DAE=xx, where xx is the suffix of an ADYSETxx member of SYS1.PARMLIB that contains DAE=STOP. See the MVS Initialization and Tuning Reference for information about ADYSETxx. When DAE is stopped, cause the SDUMP request to be reissued.

**SDUMP RETURN CODE X'08' REASON X'3E' MAXSPACE EXCEEDED.**
Increase the amount of virtual storage that SVC dump can use to capture data by issuing the command CHNGDUMP SET,DUMP,MAXSPACE=xxxM, where xxxM specifies the number of megabytes of storage to be used. Then cause the SDUMP request to be reissued.

**SDUMP RETURN CODE X'08' REASON X'46' INSUFFICIENT DISK SPACE.**
Increase the amount of disk space available for recording system dumps. Then cause the SDUMP request to be reissued.

**SDUMP RETURN CODE X'n'n' REASON X'm'm'**
No action is required if the dump was suppressed deliberately. If the dump failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMP return code X'n'n' and reason X'm'm'.

**NOT AUTHORIZED IN CICS**
This reason should not appear, because an SDUMP is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (Authorized Function Control Block) has probably been accidentally overwritten.

**INSUFFICIENT STORAGE**
Ensure sufficient storage is available to MVS for subpool 253 requests.

**STIMERM FAILED**
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

**DFHDUSVC FESTAE FAILED**
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP to be reissued. See the MVS Programming: Authorized Assembler Services Reference for an explanation of the FESTAE macro.

**DFHDUSVC FUNCTION INVALID**
The CICS DAFPB (dump authorized function parameter block) has probably been accidentally overwritten.

Notify the system programmer. If CICS is still running, it will be necessary to decide whether to terminate CICS.

You may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

To resolve the problem, collect any dumps and any relevant messages and contact your IBM Support Center.

Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide. If you are not familiar with this process, refer to the guide before contacting IBM support.

**Module:** DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

**Destination:** Console

**DFHKE0301 applid Insufficient storage to satisfy Getmain in module modname. MVS code mvscode.**

**Explanation:** The kernel (KE) domain has issued an MVS GETMAIN for kernel stack storage, but there was insufficient storage available to satisfy the request.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action:** CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel stack storage.

**User response:** Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book. Also look at the kernel domain section of the system dump to see how the kernel stack storage has been used up.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.
Module: DFHKESGM
Destination: Console

DFHKE0302  applid Freemain of stack storage failed in module modname. MVS code mvscode.

Explanation: The kernel (KE) domain has issued an MVS FREEMAIN for kernel stack storage, but a bad return code was returned.
The code mvscode is the MVS FREEMAIN return code.
During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel linkage.

User response: Inform the system programmer.

Module: DFHKEDS
Destination: Console

DFHKE0402  applid CICS DEREGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').

Explanation: An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed.
The codes resp, reason are the hexadecimal response and reason codes from ARM.

System action: If the request failed during startup, a dump is taken and CICS continues.
If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

User response: For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Guide manual.
Further information about how to use ARM can also be found in z/OS MVS Setting Up a Sysplex manual.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHKERRI
Destination: Console

DFHKE0303  applid A RECURSIVE ABEND HAS BEEN DETECTED BY THE KERNEL DOMAIN.

Explanation: The kernel (KE) domain has detected that the current task is recursively abending while attempting to recover from an abend.

System action: CICS terminates abnormally with a system dump. No exception entry is written to the trace table because the trace (TR) domain may be the cause of the loop.

User response: Use the dump provided to investigate the kernel error table to diagnose the earlier abends for the failing task.

Module: DFHKEDS
Destination: Console

DFHKE0401  applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed.
The codes resp, reason are the hexadecimal response and reason codes from ARM.

System action: A system dump is taken.
CICS continues, but cannot subsequently be restarted by ARM.

Module: DFHKEDS
Destination: Console

DFHKE0403  applid CICS WAITPRED call to automatic restart manager failed (return codes X'resp', X'reason').

Explanation: An attempt to invoke a WAITPRED request against the MVS automatic restart manager (ARM) failed.

User response: It is necessary to decide whether to terminate CICS.
For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Guide manual.
Further information about how to use ARM can also be found in z/OS MVS Setting Up a Sysplex manual.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
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The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The failure of the WAITPRED request may result in other subsystems not being available when CICS initialization completes.

**User response:** If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *z/OS MVS Programming: Sysplex Services Guide* manual.

Further information about how to use ARM can also be found in the *z/OS MVS Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHKEAR

**XMEOUT Parameters:** applid, *X'resp*, *X'reason'*

**Destination:** Console

---

**DFHKE0405 applid CICS WAITPRED call to automatic restart manager timed out (return codes *X'resp*, *X'reason*').**

**Explanation:** A WAITPRED request against the MVS automatic restart manager (ARM) timed out.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The WAITPRED request time out may result in other subsystems not being available when CICS initialization completes.

**User response:** If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *z/OS MVS Programming: Sysplex Services Guide* manual.

Further information about how to use ARM can also be found in the *z/OS MVS Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHKEAR

**XMEOUT Parameters:** applid, *X'resp*, *X'reason'*

**Destination:** Console

---

**DFHKE0406 applid CICS is about to wait for predecessors defined in the MVS automatic restart management policy for this region.**

**Explanation:** CICS is about to invoke a WAITPRED request against the automatic restart manager. This may result in a delay before CICS processing continues.

**System action:** CICS continues.

**User response:** None.

**Module:** DFHKEAR

**XMEOUT Parameter:** applid

**Destination:** Console

---

**DFHKE0407 applid XRF IS INCOMPATIBLE WITH AUTOMATIC RESTART MANAGER. CICS IS TERMINATING.**

**Explanation:** CICS has registered with the MVS automatic restart manager (ARM) after having been
restarted but the restart JCL specifies XRF=YES. XRF is
incompatible with ARM.

System action: CICS terminates.
User response: Ensure that the XRF=YES option in the
restart JCL is correct.
Module: DFHKEAR
Destination: Console

DFHKE0408D applid PLEASE SPECIFY START TYPE,
'ASIS' OR 'AUTO'.

Explanation: An attempt to REGISTER with the MVS
automatic restart manager (ARM) has failed when a
cold or initial start has been specified in the SIT.
When the CICS region has been restarted with JCL that
specifies START=COLD or START=INITIAL, CICS
relies on ARM to determine whether to override the
start type and change it to AUTO. As the REGISTER
has failed, CICS cannot determine whether the region is
being restarted by ARM, and so does not know
whether to override the start type.

System action: CICS waits until the operator supplies
the START type to be used by this region.
User response: If the region is being restarted by
ARM, specify AUTO. If the startup type of COLD or
INITIAL in the SIT should be preserved, specify ASIS.
See the previously issued message DFHKE0401 for
guidance on dealing with the underlying REGISTER
failure.
Module: DFHKEAR
Destination: Console Routecodes 1 and 11

DFHKE0410 applid CICS REGISTER CALL TO
AUTOMATIC RESTART MANAGER
FAILED BECAUSE THE JOB TYPE IS
INVALID.

Explanation: An attempt to invoke a REGISTER
request against the MVS automatic restart manager
(ARM) failed because the job type is invalid to ARM.
CICS can only register with ARM if it is being run as a
started task or a batch job.

System action: CICS continues, but cannot
subsequently be restarted by ARM.
User response: None.
Module: DFHKEAR
Destination: Console

DFHKE0411 applid CICS REGISTER CALL TO
AUTOMATIC RESTART MANAGER
FAILED BECAUSE MAXIMUM
NUMBER OF USERS WAS REACHED.

Explanation: An attempt to invoke a REGISTER
request against the MVS automatic restart manager
(ARM) failed because the maximum number of ARM
users allowed for in the ARM couple data set has been
reached. This response is never given by ARM if ARM
is restarting CICS.

System action: CICS continues, but cannot
subsequently be restarted by ARM.
User response: None.
Module: DFHKEAR
Destination: Console

DFHKE0412I applid CICS WAITPRED call to
automatic restart manager has
completed.

Explanation: A WAITPRED request against the MVS
automatic restart manager (ARM) has completed.
Further information about how to use ARM can also be
found in the MVS/ESA Setting Up a Sysplex manual.
You need further assistance from IBM to resolve this
problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.
Module: DFHKEAR
XMEOUT Parameter: applid
Destination: Console

DFHKE0413 applid CICS REGISTER CALL FAILURE
IN MODULE DFHKEESVC (RETURN
CODE X'resp').

Explanation: An attempt to invoke a REGISTER
request against the MVS automatic restart manager
(ARM) failed in module DFHKEESVC.
The code resp is the hexadecimal response from
DFHKEESVC and its meanings are
- 08 - The requested function is not supported.
- 0C - The getmain for the dynamic storage failed.
- 10 - Unable to establish the recovery routine.
- 14 - The DFHAUTH CHECK failed.

System action: CICS continues, but cannot
subsequently be restarted by ARM.
User response: It is necessary to decide whether to
terminate CICS.
Further information about how to use ARM can also be
found in z/OS MVS Setting Up a Sysplex.
You need further assistance from IBM to resolve this
DFHKE0414 • DFHKE0998

Problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHKEAR
Destination: Console

DFHKE0414 BAD RETURN FROM MVS SERVICE CSRL16J.

Explanation: An attempt to invoke the MVS service CSRL16J (Load 16 and Jump) has returned to CICS with a non-zero return code. This service is called from the CICS Kernel ‘Reset Address’ function.

System action: CICS continues by deliberately executing a privileged instruction which causes a program exception with code ‘OC2’ which leads to an ASRA abend. Register 4 has been loaded with the return code from the CSRL16J service.

User response: Inform the systems programmer.

Module: DFHKERET
Destination: Console

DFHKE0500 applid MAXPROCUSER exceeded while executing ‘service-routine’.

Explanation: The Kernel issued a call to the service-routine callable service, and received a response of EMVSINITIAL with a reason code of ‘X’0012’, indicating that the number of processes for the current CICS region userid has been exceeded.

System action: CICS initialization continues.

User response: If this error occurs frequently, consider increasing the MAXPROCUSER value in the BPXPRMxx member of SYS1.PARMLIB.

Module: DFHKETCB

DFHKE0501 applid The Kernel received a return value of X'value', a return code of X'code' and a return reason of X'reason' from the uss service-routine.

Explanation: Unix System Services has returned a non-zero return code/reason code to a service-routine call made by the Kernel during CICS initialization.

System action: CICS initialization continues since it is too early to tell whether Unix System Services will be required later in the CICS run.

User response: Determine the reason for this response. The return code and reason code included in the message text should be described in the z/OS UNIX System Services Messages and Codes manual.

Module: DFHKETCB

DFHKE097 applid DFHKESTX driven for cleanup on an essential TCB with completion code code. Unable to recover.

Explanation: MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, for cleanup on an essential TCB. Recovery from this situation is not possible.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: Module DFHKESTX produces a system dump, if one has not already been produced by DFHKESTX. Then CICS is abnormally terminated.

User response: The abend completion code is a four byte field. The first byte contains completion code flag bits, the next 12 bits contain the system completion code and the last 12 bits contain the user completion code.

Use this information to determine why the CICS ESTAE-type recovery routine was driven.

Look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

Module: DFHKETCB

DFHKE0998 applid DFHKESTX entered with invalid KTCB

Explanation: When the kernel establishes its extended subtask abend exit (ESTAE), it sets the PARAM value in the ESTAE macro to the address of the KTCB. When the operating system drives the kernel ESTAE routine, the routine checks that the PARAM address points to a KTCB.

If the PARAM address does not point to a KTCB, this message is issued and CICS is terminated because the kernel ESTAE cannot handle the error if it cannot address the KTCB.

System action: CICS terminates.

User response: The KTCB eyecatcher might have been overwritten. Determine whether a storage overwrite has caused the problem, and if so, determine the source of the overwrite. Otherwise, you might need further assistance to resolve the problem. See IBM program support.
DFHKE0999 applid MVS HAS CALLED DFHKESTX WITH NO SDWA. ABEND CODE X'code'.

Explanation: MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, but it supplied no system diagnostic work area (SDWA). DFHKESTX is unable to continue with the recovery.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: Module DFHKESTX produces a system dump and percolates the error to the next ESTAE routine. This is potentially a serious error. CICS continues processing pending the result of the error percolation.

User response: The abend code X'code' is the reason the CICS ESTAE was called. You need to find out which product has produced the abend. Typically it is an MVS system completion code, for example D37. However the abend may have been issued by CICS, for example abend 1596, or another product such as IMS.

Since there is little further diagnostic information in this case, look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

The reason why no SDWA was passed and subsequently no recovery was attempted is probably a shortage of storage. This storage shortage may also be an influencing factor in the abend itself.

Module: DFHKESTX
Destination: Console

DFHKE1799 applid TERMINATION OF CICS IS COMPLETE.

Explanation: This message is issued when CICS has terminated.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: Control is given back to the operating system.

User response: None.

Module: DFHKESTX
Destination: Console

DFHKE1800 applid ABNORMAL TERMINATION OF CICS IS COMPLETE.

Explanation: CICS issues this message when it terminates abnormally.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action: The abnormal termination of CICS continues. The kernel returns control to the operating system by issuing a user 1800 abend.

The original error which caused the abnormal termination may also have produced a dump. No specific dump is produced to accompany this message.

User response: If a dump is produced, check the dump to determine the cause of the error. Use the CICS Problem Determination Guide to assist you to determine the problem.

If no dump is produced, check for other CICS and MVS messages and abend codes to help you to determine the cause of the problem.

Module: DFHKESTX
Destination: Console
DFHLDnmmm messages

DFHLD0001  applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An unexpected program check or abend occurred with abend code aaaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLDDM, DFHLDDMI, DFHLDDL, DFHLDDL1, DFHLDDL2, DFHLDDL3, DFHLDNT, DFHLDSL, DFHLDSL, DFHLDSL2, DFHLDSL3, DFHLDSL4

XMEOUT Parameters: applid, X'code', X'offset', modname

Destination: Console

DFHLD0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: CICS has detected what it believes to be a code execution loop. At the time execution was interrupted, the program status word (PSW) indicated the next instruction address would have been at offset X'offset' in module modname.

System action: CICS is terminated with a system dump unless dump table options specifically prevent this.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the existence of a previous error situation which may have led to corruption of CICS control blocks or to the non-completion of an expected event. If there is no evidence of a previous error, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLDDM, DFHLDDMI, DFHLDDL, DFHLDDL1, DFHLDDL2, DFHLDDL3, DFHLDNT, DFHLDSL, DFHLDSL, DFHLDSL2, DFHLDSL3, DFHLDSL4

XMEOUT Parameters: applid, X'offset', modname

Destination: Console

DFHLD0002  applid A severe error (code X'code') has occurred in module modname.

Explanation: The loader has received an unexpected error response from some other part of CICS or an operating system service. The operation requested by the loader is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the cause of the problem as follows
1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

Module: DFHLDDM, DFHLDDMI, DFHLDDL,
DFHLD0102 applid Unable to declare gate ff for module modname.

Explanation: As part of its initialization, the CICS loader has attempted to define domain gate ff for module modname, but has received a bad response.

System action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This message diagnoses an internal error within CICS. Investigate whether previous errors have left CICS in a damaged state. If there is no evidence of previous serious errors, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLDDMI

XMEOUT Parameters: applid, ff, modname

Destination: Console

DFHLD0103 applid Module Storage Compression OFF. All modules are USAGE=TRANSIENT.

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its dynamic program storage compression facility.

System action: CICS execution continues but all nonresident application programs are treated as if they had been defined with the USAGE=TRANSIENT option. Therefore they are removed from storage the moment their use count reaches zero.

For some functions, this can lead to a performance degradation as programs may be loaded many times during the life of a transaction instead of only once.

User response: Investigate the reasons for the previous problem concerning module DFHLDNT as diagnosed by either message DFHLD0101 or DFHLD0102.

Module: DFHLDDM

XMEOUT Parameter: applid

Destination: Console

DFHLD0104 applid Module Statistics are not being collected.

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its statistics collection module.

System action: CICS execution continues but no module statistics will be collected.

User response: Investigate the reasons for the previous problem concerning module DFHLDST as diagnosed by either message DFHLD0101 or DFHLD0102.

Module: DFHLDDMI

XMEOUT Parameter: applid

Destination: Console

DFHLD0105 applid Restart of Loader Option Block (LOB) failed. System defaults in use.

Explanation: The initialization of the CICS loader has detected one or more invalid parameters in the loader option block (LOB) recovered from the local catalog.

This may indicate that corruption of the local catalog has occurred.

System action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the possibility of corruption of the local catalog. If you suspect that the local catalog is corrupt, reinitialize it and resubmit the CICS job.

Module: DFHLDDM

XMEOUT Parameter: applid

Destination: Console

DFHLD0106 applid Bad response X'\resp\' returned on an OPEN of DFHRPL.

Explanation: The CICS loader has attempted to open the DFHRPL library concatenation during initialization and has received the response code \resp\.

System action: CICS execution continues although only link pack area (LPA) resident modules are accessible.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Ensure the DFHRPL concatenation is correctly specified in the JCL and that the libraries specified in it are operational. The response code
returned may be interpreted as for a BSAM open request.

**Module:** DFHLDDM

**XMEOUT Parameters:** applid, X’resp’

**Destination:** Console

---

**DFHL0107I** *applid modname1 is unable to locate module modname2 in the LPA. DFHRPL version of module will be used.*

**Explanation:** The user has specified the system initialization parameter LPA=YES. Module modname2 is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find modname2 in the link pack area (LPA).

**System action:** CICS execution continues with an attempt to locate module modname2 in the CICS program library DFHRPL or a dynamic LIBRARY in the LIBRARY search order. The sequence of LIBRARY concatenations in which CICS will attempt to locate modname2 will depend on the LIBRARY search order that is currently active in the system.

**User response:** Carry out one of the following:
- Load module modname2 into the LPA, if this is required and the module is LPA eligible (refer to the CICS Transaction Server for z/OS Installation Guide for LPA eligibility of CICS modules).
- Code PRVMOD=modname2 as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the CICS Transaction Server for z/OS Installation Guide.

**Module:** DFHLDDMI, DFHLDDL1

**XMEOUT Parameters:** applid, modname1, modname2

**Destination:** Console Routecode 11

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**DFHL0108I** *applid The maximum of 32767 entries that CICS allows on a BLDL has been exceeded.*

**Explanation:** During a warm or emergency restart, the loader domain has detected more than 32767 modules eligible for BLDL.

**System action:** A BLDL macro call is issued to locate the first 32767 modules and the rest are ignored. CICS initialization continues normally.

This is not a problem because CICS attempts to locate those modules not located during initialization when the module is first used.

**User response:** None.

**Module:** DFHLDDMI

**XMEOUT Parameter:** applid

---

**DFHL0109I** *applid modname1 is unable to locate module modname2 in the LPA. DFHRPL or dynamic LIBRARY version of module will be used.*

**Explanation:** The user has specified the system initialization parameter LPA=YES. Module modname2 is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find modname2 in the link pack area (LPA).

**System action:** CICS execution continues with an attempt to locate module modname2 in the CICS program library DFHRPL or a dynamic LIBRARY in the LIBRARY search order. The sequence of LIBRARY concatenations in which CICS will attempt to locate modname2 will depend on the LIBRARY search order that is currently active in the system.

**User response:** Carry out one of the following:
- Load module modname2 into the LPA, if this is required and the module is LPA eligible (refer to the CICS Transaction Server for z/OS Installation Guide for LPA eligibility of CICS modules).
- Code PRVMOD=modname2 as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the CICS Installation Guide.

**Module:** DFHLDDL1, DFHLDDMI

**XMEOUT Parameters:** applid, modname1, modname2

**Destination:** Console Routecode 11

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**DFHL0201** *applid Corrupt Loader load structure detected at X’address’. Module marked as unavailable.*

**Explanation:** During the execution of a CICS loader request, the loader detected an invalid field in the control block type tttt at storage address address.

**System action:** A system dump is taken and execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Investigate the possibility of corruption of CICS modules or control blocks or the local or global catalogs.

**Module:** DFHLDDL1
DFHLD0202  applid Loader SVC svc request failed due to shortage of free storage in the region.

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLD0202, but the execution of this request failed due to a lack of free storage in the MVS region. The type of request is indicated by svc.

System action: A system dump will be taken unless specifically suppressed through a dump table entry and the system will continue execution. The task requesting loader services will be abnormally terminated with abend code APCT, or a PGMDERR condition will be raised.

User response: Ensure there is adequate free storage in the MVS region by balancing the overall size limits of the DSAs or EDSAs with the size of the MVS region specified by the REGION parameter on the job card of the CICS job JCL.

Module: DFHLDLDI

XMEOUT Parameters: applid, svc

Destination: Console

DFHLD0203  applid Loader SVC svc request failed due to I/O errors on library DFHRPL.

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLD0202, but the execution of this request failed due to I/O errors on the relocatable library, DFHRPL. The type of request is indicated by svc.

System action: A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMDERR condition is raised.

User response: Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partition data set (PDS) within the DFHRPL concatenation.

Module: DFHLDLDI

XMEOUT Parameters: applid, svc

Destination: Console

DFHLD0204  applid Bad Loader PDB for module modname recovered from the (Local | Global) catalog. Corruption suspected.

Explanation: The loader definition record, PDB, for module modname has been read from either the local (DFHLCD) or the global (DFHGCD) catalog during startup and has been found to contain invalid data.

System action: System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the module definition is ignored.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Module: DFHLDDMI, DFHLDLD

XMEOUT Parameters: applid, modname, (1=Local, 2=Global)

Destination: Console

DFHLD0205  applid Bad Loader PLDB for LIBRARY libname recovered from the Global catalog. Corruption suspected.

Explanation: The loader program LIBRARY record, PLDB, for dynamic LIBRARY modname has been read from the global catalog during startup and has been found to contain invalid data.

System action: System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the dynamic LIBRARY resource is ignored.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Module: DFHLDLDI

XMEOUT Parameters: applid, libname

Destination: Console

DFHLD0206  applid Loader SVC svc request failed due to I/O errors on LIBRARY libname.

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLD0202, but the execution of this request failed due to I/O errors on the dynamic LIBRARY libname. The type of request is indicated by svc.

System action: The system action depends on the type of request in svc.

• When svc is BLDL, the problem has occurred while searching through the LIBRARY search order for the location of a program. The search will continue with
the next LIBRARY in the LIBRARY search order, if any. The effect is as if LIBRARY libname was not included in the LIBRARY search order.

• When svc is LOAD, the problem has occurred while loading a program from a known location in a dynamic LIBRARY. A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition is raised.

User response: Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partitioned data set (PDS) within the LIBRARY concatenation. Another possible cause is that one or more data sets in the dynamic LIBRARY concatenation has not been correctly defined as a partitioned data set (PDS) or partitioned data set extended (PDSE).

Module: DFHLDLD1
XMEOUT Parameters: applid, svc, libname
Destination: Console

DFHLD0501I  date time applid termid tranid LIBRARY libname is being installed with status {Enabled | Disabled}.  

Explanation: Install of the dynamic LIBRARY resource libname has started. The enablement status that has been requested for this LIBRARY is either Enabled or Disabled, as indicated in the message.

System action: The system processes the install of the LIBRARY resource. A subsequent message will indicate the result of the install.

User response: This is an informational message for audit trail purposes, no action is required.

Module: DFHLDLB2
XMEOUT Parameters: date, time, applid, termid, tranid, libname, {1=Enabled, 2=Disabled}
Destination: CSLB

DFHLD0503W  date time applid termid tranid Install of LIBRARY libname has failed to complete successfully, for reason code RSN.  
Enablement status is Disabled.

Explanation: Install of the dynamic LIBRARY resource libname has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. The LIBRARY has been installed, but with an enablement status of Disabled, which means that it will not participate in the search order used when loading programs and program artifacts.

System action: The system has attempted to process install of the LIBRARY resource. This message follows message DFHLD0501 which indicated the start of install processing for the LIBRARY resource. The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

User response: Examine the console log for one or more messages indicating the failure which occurred during install processing for this LIBRARY.

Module: DFHLDLB2
XMEOUT Parameters: date, time, applid, termid, tranid, libname, RSN
Destination: CSLB

DFHLD0504E  date time applid termid tranid Install of LIBRARY libname has failed because a LIBRARY of that name is already installed and enabled.

Explanation: Install of the dynamic LIBRARY resource libname has been rejected because a LIBRARY of the same name is already installed, and is in an Enabled state. It is not possible to replace an existing LIBRARY resource with a new definition unless it is in a Disabled state.

System action: The system continues. The existing LIBRARY resource continues to be used.
**User response:** Investigate whether it was intended to install a new definition of the LIBRARY. If so, set the existing LIBRARY to Disabled and repeat the request used to install the new definition.

**Module:** DFHLDLB2

**XMEOUT Parameters:** date, time, applid, termid, tranid, libname

**Destination:** CSLB

---

**DFHLD0505I** *date, time, applid Details for LIBRARY*

**libname, ranking:** ranking, critical status: (Critical | Noncritical), enablement status (Enabled | Disabled).

**Explanation:** This message gives details of the ranking, critical status and enablement status for LIBRARY libname. The ranking is given by ranking, and is a number which specifies how this LIBRARY should be positioned in the search order relative to other LIBRARY resources. The critical status is either Critical or Noncritical, and indicates whether or not this LIBRARY is critical to CICS start up. The enablement status is either Enabled or Disabled, and indicates whether the LIBRARY is currently enabled. Only an enabled LIBRARY can participate in the search order.

**System action:** The system continues. This is one of a set of informational messages which give details about the LIBRARY resources. The associated message gives information about the data sets defined in this LIBRARY.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB2

**XMEOUT Parameters:** date, time, applid, libname, ranking,

{1=Critical, 2=Noncritical}, {1=Enabled, 2=Disabled}

**Destination:** CSLB

---

**DFHLD0506I** *date, time, applid Details for LIBRARY*

**libname, data sets 1-8:** dsname01, dsname02, dsname03, dsname04, dsname05, dsname06, dsname07, dsname08.

**Explanation:** This message gives details of data sets defined in the LIBRARY resource libname. Up to eight data sets in the LIBRARY are listed, given by the inserts dsname01, dsname02, dsname03, dsname04, dsname05, dsname06, dsname07, and dsname08. This is the order in which the data sets appear in the LIBRARY definition (including blank data set slots). The remaining eight data sets (dsname09 through to dsname16) are given in a subsequent message.

**System action:** The system continues. This is one of a set of informational messages which give details for the LIBRARY resource. The associated messages give details about attributes of this LIBRARY, and about the other data sets defined in the LIBRARY.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB2

**XMEOUT Parameters:** date, time, applid, libname, dsname09, dsname10, dsname11, dsname12, dsname13, dsname14, dsname15, dsname16.

**Destination:** CSLB

---

**DFHLD0507I** *date, time, applid Details for LIBRARY*

**libname, data sets 9-16:** dsname09, dsname10, dsname11, dsname12, dsname13, dsname14, dsname15, dsname16.

**Explanation:** This message gives details of data sets defined in the LIBRARY resource libname. The second set of up to eight data sets in the LIBRARY are listed, given by the inserts dsname09, dsname10, dsname11, dsname12, dsname13, dsname14, dsname15, and dsname16. This is the order in which the data sets appear in the LIBRARY definition (including blank data set slots). The first eight data sets (dsname01 through to dsname08) are given in a preceding message.

**System action:** The system continues. This is one of a set of informational messages which give details about the LIBRARY resource. The associated messages give details of the attributes of the LIBRARY, and of the first eight data sets defined for the LIBRARY.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB2, DFHLDLB3

**XMEOUT Parameters:** date, time, applid, libname, dsname09, dsname10, dsname11, dsname12, dsname13, dsname14, dsname15, dsname16

**Destination:** CSLB

---

**DFHLD0512I** *date, time, applid termid tranid LIBRARY*

**libname** has been successfully discarded.

**Explanation:** Discard of the dynamic LIBRARY resource libname has completed and was successful. This LIBRARY resource is no longer active in the CICS system.

**System action:** The system has processed discard of the LIBRARY resource.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB2

**XMEOUT Parameters:** date, time, applid, termid, tranid, libname

**Destination:** CSLB
**DFHLD0513W**  
*Discard of LIBRARY libname has failed for reason code RSN.*

**Explanation:** Discard of the dynamic LIBRARY resource *libname* has failed to complete successfully.

**System action:** The system has attempted to process discard of the LIBRARY resource. If one of the steps required to complete successful discard of a dynamic LIBRARY resource has failed, the LIBRARY will remain in a disabled state and will not participate in the search order used when loading programs and program artifacts. This message can also occur because a LIBRARY of this name is not installed, or because it is enabled.

**User response:** Check that the LIBRARY to be discarded is installed and is in a disabled state. If that is not the cause of the error, examine the console log for one or more messages indicating the failure that occurred during discard processing for this LIBRARY.

**Module:** DFHLDLB2  
**XMEOUT Parameters:** *date, time, applid, termid, tranid, libname, RSN*  
**Destination:** CSLB

---

**DFHLD0521I**  
*Ranking of LIBRARY libname changed from oldranking to newranking.*

**Explanation:** The ranking value of LIBRARY resource *libname* has been changed. The original value was *oldranking* and the new value is *newranking*. This changes the position of this LIBRARY relative to other LIBRARY resources in the search order.

**System action:** The system has changed the ranking value of the LIBRARY resource. This message will be followed by a set of messages that show the new search order of the LIBRARY resources in the system.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB3  
**XMEOUT Parameters:** *date, time, applid, termid, tranid, libname, oldranking, newranking*  
**Destination:** CSLB

---

**DFHLD0522I**  
*LIBRARY libname has been enabled.*

**Explanation:** The enablement state of LIBRARY resource *libname* has been changed to Enabled. An enabled LIBRARY will participate in the search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

**System action:** The system has changed the enablement state of the LIBRARY resource to Enabled. This message will be followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB3  
**XMEOUT Parameters:** *date, time, applid, termid, tranid, libname*  
**Destination:** CSLB

---

**DFHLD0524I**  
*LIBRARY libname has been disabled.*

**Explanation:** The enablement state of LIBRARY resource *libname* has been changed to Disabled. A disabled LIBRARY will not participate in the search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

**System action:** The system has changed the enablement state of the LIBRARY resource to Disabled. This message will be followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response:** This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB3
DFHLD0525W

date time applid termid tranid

Attempt to set attributes or status of LIBRARY libname has failed for reason code RSN.

Explanation: An attempt to set attributes of LIBRARY resource libname has failed. A SET request has been processed for the LIBRARY, but has not completed successfully.

System action: The system has attempted to process a SET for the LIBRARY resource, but has encountered an error during the processing. The requested attribute might not have been set.

User response: Examine the console log for one or more messages indicating the failure that occurred during SET processing for this LIBRARY.

Module: DFHLDLB3

DFHLD0525W

date time applid termid tranid

Destination: CSLB

XMEOUT Parameters: date, time, applid, termid, tranid, libname

DFHLD0556I

date time applid

Current LIBRARY search order follows.

Explanation: This message precedes one or more instances of message DFHLD0556, that lists the current position in the search order for all installed and enabled LIBRARY resources. This provides a set of informational messages which show the search order for the LIBRARY resources in the CICS system.

These messages are issued whenever a change occurs that can affect the LIBRARY search order, such as installing a LIBRARY, enabling or disabling a LIBRARY, or changing the LIBRARY ranking. The messages are not issued when such a change occurs during CICS startup, but the set of messages is issued at the completion of CICS start, to show the search order for all enabled LIBRARY resources that were installed or recovered during CICS startup.

System action: The system continues.

User response: This is an informational message for audit trail purposes, no action is required.

Module: DFHLDLB, DFHLDLB2, DFHLDLB3

XMEOUT Parameters: date, time, applid, srchpos, libname

Destination: CSLB

DFHLD0701

date time applid

LIBRARY libname has a smaller ranking value than DFHRPL. Ranking value is R.

Explanation: This message warns that dynamic LIBRARY libname has a ranking value that is smaller than that of the static LIBRARY, DFHRPL. Ranking is a number which specifies how this LIBRARY should be positioned in the search order relative to other LIBRARY resources. If a program artifact is located in the concatenations of two LIBRARY resources that are both installed and enabled, it will be loaded from the LIBRARY with the smaller ranking value. DFHRPL always has a ranking of 10, and libname has been given a ranking value of R, which is smaller than 10 and means that program artifacts that are in this LIBRARY and also in DFHRPL, will be loaded from this LIBRARY.

System action: The system continues. The CICS loader will search LIBRARY library when loading program artifacts before searching DFHRPL.

User response: Verify that it is intended for this LIBRARY to have a ranking value smaller than that of
DFHRPL (so that program artifacts will be loaded from this LIBRARY rather than from DFHRPL). If this was not the intention, set the ranking for the LIBRARY to a value greater than 10.

**Module:** DFHLDLB2, DFHLDLB3

**XMEOUT Parameters:** applid, libname,R

**Destination:** Console

---

### DFHLD0702D

**applid Critical LIBRARY libname could not be installed. Reply 'GO' or 'CANCEL'.**

**Explanation:** LIBRARY `libname` is being installed during CICS startup, and an error has occurred during install of the LIBRARY. The definition for this LIBRARY indicates that it should be installed as Enabled, and that it is a Critical LIBRARY. A Critical LIBRARY is one that must be available at CICS startup, so this message is issued to allow you to decide whether CICS startup should be allowed to continue without the LIBRARY.

**System action:** The system waits for a response.

**User response:** If you do not want CICS to start when this LIBRARY is not available, reply 'CANCEL' to terminate this CICS execution.

If you want to allow CICS to continue without the LIBRARY; for example, because you plan to resolve the problem after CICS has started, reply 'GO' to allow CICS to continue. If you decide that this LIBRARY should not be defined as Critical, SET the LIBRARY to Noncritical, and update the definition.

In both cases, you should study other messages on the console log to determine the reason for the error that occurred while installing the LIBRARY, and take steps to resolve the problem. This message can be issued because a LIBRARY of the same name is already installed and enabled.

**Module:** DFHLDLB2, DFHLDDBM

**XMEOUT Parameters:** applid, libname

**Destination:** Console

---

### DFHLD0703

**applid Noncritical LIBRARY libname could not be installed as enabled. CICS startup continues.**

**Explanation:** LIBRARY `libname` is being installed during CICS startup, and an error has occurred during install of the LIBRARY. The definition for this LIBRARY indicates that it should be installed as Enabled, and that it is a Noncritical LIBRARY. A Noncritical LIBRARY is one that does not need to be available at CICS startup, so this message is issued to warn you that an error has occurred during install of the LIBRARY.

**System action:** CICS startup continues.

**User response:** If you want future CICS starts to give you the option to terminate CICS if this LIBRARY fails to install correctly, SET the LIBRARY to Critical, and update its definition.

Study other messages on the console log to determine the reason for the error that occurred while installing the LIBRARY, and take steps to resolve the problem.

**Module:** DFHLDLB2

**XMEOUT Parameters:** applid, libname

**Destination:** Console

---

### DFHLD0704

**applid Reply CANCEL was received.**

**Explanation:** A reply of 'CANCEL' was received in response to message DFHLD0702. This requests that CICS startup should be terminated.

**System action:** CICS terminates.

**User response:** None.

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### DFHLD0710

**applid Install of LIBRARY libname encountered an error. The LIBRARY is installed but disabled.**

**Explanation:** Install of the dynamic LIBRARY resource `libname` has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. The LIBRARY definition indicates that the LIBRARY should be installed as Enabled. Due to the error, the LIBRARY has been installed, but with an enablement status of Disabled, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action:** The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response:** Examine the console log for one or more messages indicating the failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET the LIBRARY to Enabled.

**Module:** DFHLDLB2

**XMEOUT Parameters:** applid, libname

**Destination:** Console
DFHLD0711  applid Install of LIBRARY libname encountered an error. The LIBRARY is installed as disabled.

Explanation: Install of the dynamic LIBRARY resource libname has completed but has not done so successfully. One of the steps required to complete successful install of a disabled LIBRARY resource has failed. Due to the error, the LIBRARY has been installed with an enablement status of Disabled, but this should not be a problem as Disabled status was specified in the LIBRARY definition.

System action: Disabled status means that the LIBRARY will not be searched when program artifacts are loaded, so that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

User response: Examine the console log for one or more messages indicating the failure that occurred during install processing for this LIBRARY. You should plan to resolve the problem before attempting to SET the LIBRARY to Enabled.

Module: DFHLDLB2
XMEOUT Parameters: applid, libname
Destination: Console

DFHLD0712  applid Attempt to install or enable LIBRARY libname will be delayed because data set dsname is being recalled.

Explanation: LIBRARY libname is taking longer than expected to install or enable because one of the data sets in the LIBRARY definition, dsname, has been migrated and has to be recalled before the processing can complete.

System action: The install or enable of LIBRARY libname will be delayed until data set dsname has been recalled.

User response: None.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI
XMEOUT Parameters: applid, libname,dsname
Destination: Console

DFHLD0720  applid Dynamic allocation of data set dsname for LIBRARY libname failed. DYNALLOC return codes X’rrrr’,X’cccc’,X’dddd’.

Explanation: While installing or enabling dynamic LIBRARY libname, an attempt to dynamically allocate data set dsname has failed. The DYNALLOC macro failed with return code rrrr, cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

System action: CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.
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User response: For the meaning of the DYNALLOC return codes, see the z/OS MVS Authorized Assembler Services Guide.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT Parameters: applid, dsname,libname, X’rrrr’, X’cccc’, X’dddd’

Destination: Console

DFHLD0721 applid Dynamic concatenation of data sets for LIBRARY libname failed.
DYNALLOC return codes X’rrrr’,X’cccc’,X’dddd’.

Explanation: While installing or enabling dynamic LIBRARY libname, an attempt to dynamically concatenate data sets in the LIBRARY has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

System action: CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response: For the meaning of the DYNALLOC return codes, see the z/OS MVS Authorized Assembler Services Guide.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT Parameters: applid, libname,X’rrrr’, X’cccc’, X’dddd’

Destination: Console

DFHLD0722 applid Open of DD for LIBRARY libname failed.

Explanation: An attempt to open dynamic LIBRARY libname has failed with a non-zero VSAM return code.

System action: CICS continues processing, but LIBRARY libname is disabled and programs will not be loaded from this LIBRARY.

User response: VSAM will have issued a console error message. Use the information in the VSAM error message to solve the problem.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT Parameters: applid, libname

Destination: Console

DFHLD0723 applid Dynamic unallocation of data set dsname for LIBRARY libname failed.
DYNALLOC return codes X’cccc’,X’rrrr’,X’dddd’.

Explanation: An attempt to dynamically unallocate (deallocate) data set dsname for dynamic LIBRARY libname has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.

System action: CICS continues and LIBRARY libname remains installed and disabled.

User response: For the meaning of the DYNALLOC return codes, see the z/OS MVS Authorized Assembler Services Guide.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT Parameters: applid, libname,X’rrrr’, X’cccc’, X’dddd’

Destination: Console

DFHLD0724 applid Dynamic deconcatenation of data sets for LIBRARY libname failed.
DYNALLOC return codes X’rrrr’,X’cccc’,X’dddd’.

Explanation: An attempt to dynamically deconcatenate data sets from LIBRARY libname has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.

System action: CICS continues and LIBRARY libname remains installed and disabled.

User response: For the meaning of the DYNALLOC return codes, see the z/OS MVS Authorized Assembler Services Guide.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT Parameters: applid, libname,X’rrrr’, X’cccc’, X’dddd’

Destination: Console

DFHLD0725 applid Close of DD for LIBRARY libname failed.

Explanation: An attempt to close the DD for dynamic LIBRARY libname has failed. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.
**System action:** CICS continues processing, and LIBRARY libname remains installed and disabled.

**User response:** VSAM will have issued a console error message. Use the information in the VSAM message to solve the problem.

**Module:** DFHLDLB2, DFHLDLB3, DFHLDDMI

**XMEOUT Parameters:** applid, libname

**Destination:** Console

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**DFHLD0730**

applid An MVS ABEND occurred during
|Getmain of LIBRARY control area | Dynamic allocation | Dynamic concatenation | Open | Close | Dynamic deconcatenation | Dynamic unallocation | Freemain of LIBRARY control area | for LIBRARY libname.

**Explanation:** An attempt to perform an operation for dynamic LIBRARY libname caused an MVS abend condition. The message indicates the operation which resulted in the abend. This may indicate an error in the definition of the dynamic LIBRARY.

**System action:** CICS continues processing, but LIBRARY libname is either disabled or not installed, and programs will not be loaded from this LIBRARY.

**User response:** The operating system will have issued console error messages describing the abend condition. This can be accompanied by the CICS error message DFHLD0001. Use this information to solve the problem. Possible causes of this error include, but are not limited to:

- A data set has been specified in the LIBRARY definition which is not a valid PDS or PDSE data set.
- The system does not have read access to a data set in the LIBRARY. Look for a message from a security manager, such as RACF, which indicates the data set for which there is an access failure.
- In the LIBRARY concatenation the total number of PDSes and PDS extents exceeded the limit of 255.
- An I/O error occurred while processing a LIBRARY data set.
- A system error occurred while processing an SVC. The abend code will be of the form Fnn for an SVC call nn.
- CICS internal error occurred; for example, a program check.

**Module:** DFHLDLB2, DFHLDLB3

**XMEOUT Parameters:** applid, {1=Getmain of LIBRARY control area, 2=Dynamic allocation, 3=Dynamic concatenation, 4=Open, 5=Close, 6=Dynamic deconcatenation, 7=Dynamic unallocation, 8=Freemain of LIBRARY control area}, libname

**Destination:** Console

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**DFHLD0731**

applid Data set dsname could not be allocated for LIBRARY libname because CICS could not determine that the data set is valid for a dynamic LIBRARY.

**Reason:** (LOCATE error. LOCATE macro | OBTAIN error. OBTAIN macro | not enough working storage. Loader SVC | CICS internal error. Loader SVC) return code: X’rc’

**Explanation:** While installing or enabling dynamic LIBRARY libname, CICS was unable to determine the validity of data set dsname for the reason shown in the message. Either the LOCATE macro, or the OBTAIN macro, failed with return code rc, or a CICS internal error was encountered.

**System action:** CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

**User response:** For the meaning of the LOCATE or OBTAIN return codes, see z/OS DFSMSdfp Advanced Services. In the case of an internal error, contact the IBM Support Center providing the CICS joblog output.

**Module:** DFHLDLB2, DFHLDLB3, DFHLDDMI

**XMEOUT Parameters:** applid, dsname, libname, {1=LOCATE error. LOCATE macro, 2=OBTAIN error. OBTAIN macro, 3=not enough working storage. Loader SVC, 4=CICS internal error. Loader SVC} X’rc’

**Destination:** Console

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**DFHLD0732**

applid Data set dsname could not be allocated for LIBRARY libname because it is not valid for a dynamic LIBRARY.

**Reason:** (not DASD volume | not partitioned organization | record format is not set to unspecified)

**Explanation:** While installing or enabling dynamic LIBRARY libname, CICS determined that the data set dsname was not valid for use in a dynamic LIBRARY for the reason shown in the message.

**System action:** CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

**User response:** Check the data set location and organization, or the data set name specified in the LIBRARY definition, and correct the error. The data set must have partitioned organization (PDS or PDSE) and a record format of unspecified (RECFM=U).

**Module:** DFHLDLB2, DFHLDLB3, DFHLDDMI

**XMEOUT Parameters:** applid, dsname, libname, {1=not DASD volume, 2=not partitioned organization, 3=record format is not set to unspecified}

**Destination:** Console
DFHLD0800 E  applid CLDM failed due to CICS command error. EIBFN=’eibfn’, RESP=’resp’, RESP2=’resp2’. Instance=’instance’.

Explaination: The CICS module mapping program encountered an unexpected response to a CICS command. eibfn identified the CICS EIB function code for the failing command. resp identified the CICS EIB RESP value for the failing command. resp2 identified the CICS EIB RESP2 value for the failing command. instance is a value that can be used by IBM support to identify the command being issued.

System action: The CLDM transaction terminates.

User response: Check the resp and resp2 values for the specified eibfn and take the necessary action.

Module: DFHLDMAP, DFHLDMHF, DFHLDMHS, EYU9XLLM

XMEOUT Parameters: applid, ’eibfn’, resp, resp2, instance

Destination: Console and Terminal End User

DFHLD0801 E  applid CLDM bad STARTCODE.

Explaination: The CLDM transaction was started in an unexpected manner. If the main CICS loader mapping module program, DFHLDMAP, is not called with an appropriate container, then the CLDM transaction expects to be started from a terminal with data.

System action: The CLDM transaction terminates.

User response: Start CLDM with the necessary parameters depending on the invocation method.

Module: DFHLDMAP

XMEOUT Parameter: applid

Destination: Console and Terminal End User

DFHLD0802 E  applid CLDM invalid input. Format is CLDM PATH=value or CLDM SYSOUT=value. Instance=’instance’.

Explaination: The input to CLDM is invalid.

System action: The CLDM transaction terminates.

User response: Start CLDM with valid input. See the CICS Supplied Transactions description of CLDM for valid input values.

Module: DFHLDMAP

XMEOUT Parameters: applid, instance

Destination: Console and Terminal End User

DFHLD0803 E  applid CLDM CICS kernel inquire error.

Explaination: The CLDM transaction could not locate the required CICS kernel areas.

System action: The CLDM transaction terminates.

User response: Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module: DFHLDMAP

XMEOUT Parameter: applid

Destination: Console and Terminal End User

DFHLD0804 E  applid CLDM CICS kernel anchor error.

Explaination: The CLDM transaction could not locate the required CICS kernel areas.

System action: The CLDM transaction terminates.

User response: Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module: DFHLDMAP

XMEOUT Parameter: applid

Destination: Console and Terminal End User

DFHLD0805 E  applid CLDM output format routine, program, failed.

Explaination: The CLDM output routine program returned a failure response to DFHLDMAP.

System action: The CLDM transaction terminates.

User response: Check the versions of the DFHLDMAP, DFHLDMHF, and DFHLDMHS are correct and match the release in use.

Module: DFHLDMAP

XMEOUT Parameters: applid, program

Destination: Console and Terminal End User

DFHLD0806 E  applid CLDM file system write failed. RETCODE=’retcode’ (usserr), RSNCODE=’rsncode’, FILE=’file’.

Explaination: An error occurred while writing to the z/OS UNIX System Services file system where retcode is the BPX1WRT return code. usser is the name of the return code. rsncode is the BPX1WRT reason code. file is the name of the file being written to.

System action: The CLDM transaction terminates.

User response: Using the response information
provided in the message, check the BPX1WRT (write) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

Module: DFHLDMHF
XMEOUT Parameters: applid, X'retcode', usserr, X'rsncode', file
Destination: Console and Terminal End User

DFHL0807 E applid CLDM file system open failed.
RETCODE=X'retcode' (usserr),
RSNCODE=X'rsncode', FILE=file.

Explanation: An error occurred while opening a z/OS UNIX System Services file where retcode is the BPX1OPN return code. usserr is the name of the return code. rsncode is the BPX1OPN reason code. file is the name of the file being opened.

System action: The CLDM transaction terminates.

User response: Using the response information provided in the message, check the BPX1OPN (open) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

Module: DFHLDMHF
XMEOUT Parameters: applid, X'retcode', usserr, X'rsncode', file
Destination: Console and Terminal End User

DFHL0808 E applid CLDM file system close failed.
RETCODE=X'retcode' (usserr),
RSNCODE=X'rsncode', FILE=file.

Explanation: An error occurred while closing a z/OS UNIX System Services file where retcode is the BPX1CLO return code. usserr is the name of the return code. rsncode is the BPX1CLO reason code. file is the name of the file being closed.

System action: The CLDM transaction terminates.

User response: Using the response information provided in the message, check the BPX1CLO (close) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

Module: DFHLDMHF
XMEOUT Parameters: applid, X'retcode', usserr, X'rsncode', file
Destination: Console and Terminal End User

DFHL0809 E applid CLDM mismatched quotation marks.

Explanation: Mismatched quotation marks have been entered on the CLDM transaction.

System action: The CLDM transaction terminates.

User response: Enter the CLDM transaction again and specify matched quotation marks.

Module: DFHLDMHF
XMEOUT Parameter: applid
Destination: Console and Terminal End User

DFHL0810 E applid CLDM absolute path name required.

Explanation: The PATH operand of the CLDM transaction must be an absolute path and begin with a /

System action: The CLDM transaction terminates.

User response: Enter the CLDM transaction again and specify an absolute PATH operand.

Module: DFHLDMHF
XMEOUT Parameter: applid
Destination: Console and Terminal End User

DFHL0811 I applid CLDM complete. recordnum data records output.

Explanation: The CLDM request has completed. recordnum data records written to the output destination.

System action: The CLDM transaction completes.

User response: None.

Module: DFHLDMAP
XMEOUT Parameters: applid, recordnum
Destination: Console and Terminal End User

DFHL0812 E applid CLDM unable to obtain loader domain state lock.

Explanation: The CLDM transaction was unable to obtain the necessary loader domain locks to capture the data required for processing.

System action: The CLDM transaction terminates.

User response: Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module: DFHLDMAP
XMEOUT Parameter: applid
DFHLGnwwn messages

**DFHLG0001 applid** An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST, DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSJ

**XMEOUT Parameters:** applid, aaaa/bbbb, X'offset', modname

**Destination:** Console

**DFHLG0002 applid** A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST

**XMEOUT Parameters:** applid, X'code',modname

**Destination:** Console

**DFHLG0004 applid** A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been
detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLGLB
XMEOUT Parameters: applid, X'offset', modname
Destination: Console

Module: DFHLG0101I • DFHLG0104I

DFHLG0101I applid Log manager domain initialization has started.
Explanation: This is an informational message indicating the start of log manager domain initialization.
System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter, MSGRLVL=0.
Module: DFHLGDM
XMEOUT Parameter: applid
Destination: Console

DFHLG0102I applid Log manager domain initialization has ended.
Explanation: This is an informational message indicating the end of log manager domain initialization.
System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter, MSGRLVL=0.
Module: DFHLGDM
XMEOUT Parameter: applid
Destination: Console

DFHLG0103I applid System log (journalname) initialization has started.
Explanation: This is an informational message indicating the start of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).
System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter, MSGRLVL=0.
Module: DFHL2SLN
XMEOUT Parameters: applid, journalname
Destination: Console

DFHLG0104I applid System log (journalname) initialization has ended. Log stream logstreamname is connected to structure structurename.
Explanation: This is an informational message indicating the end of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

The name shown as LOGSTREAMNAME(logstreamname) in the message is the name of the log stream associated with this journal. A value of "***************" implies that it is a dummy log.

The name shown as STRUCTNAME(structname) in the message is the structure name of the log stream associated with this journal. A value of "***************" implies that it has no related structure, which means that either the log stream is a dummy log or of type DASDONLY(YES).

System action: Initialization continues.
User response: None. You can suppress this message with the system initialization parameter, MSGRLVL=0.
Module: DFHL2SLN
DFHLG0191 • DFHLG0194

XMEOUT Parameters: applid, journalname, logstreamname, structurename

Destination: Console

DFHLG0191 subsys-name {CONVERTER | ALLOCATION} VERIFICATION HAS FAILED BECAUSE OF A {SEVERE ERROR | SYNTAX ERROR | MUTUAL EXCLUSION FAILURE}

Explanation: A parse error was encountered while CICS was verifying the SUBSYS options of the application's JCL DD statement.

The message includes the following inserts
- subsys_name - the installation defined subsystem name for the system logger.
- CONVERTER - the error was detected during MVS JCL conversion.
- ALLOCATION - the error was detected during MVS allocation processing.
- SEVERE ERROR - the parser encountered a severe error during its processing.
- SYNTAX ERROR - the statement failed the syntax check. MVS message ASA104I is issued specifying the keyword in error and acceptable keywords.
- MUTUAL EXCLUSION FAILURE - the parser encountered mutually exclusive keywords. MVS message ASA103I is issued specifying the keywords in error.

System action: If the error was detected during MVS JCL conversion, the job is not executed because of the JCL error.

If the error was detected during MVS allocation processing, the allocation request is rejected.

User response: Correct the SUBSYS= specification and resubmit the job.

Module: DFHLGSSI, DFHLGIGT

Destination: Console

DFHLG0193 log-stream-name

Explanation: This message gives the logstream referred to in the preceding DFHLG0192 message.

System action: See message DFHLG0192.

User response: See message DFHLG0192.

Module: DFHLGSSI, DFHLGIGT

Destination: Console

DFHLG0194 ERROR DETECTED BY CICS

SUBSYSTEM. error-description X'data1' X'data2' X'data3'

Explanation: The CICS subsystem exit detected an unexpected error. The error is described by the error-description and optional hex data fields.

In some cases a dump is also produced.

System action: The subsystem exit terminates the logstream read, and passes a return code back to the caller. If DELETE was specified as an option on the SUBSYS keyword then it will be ignored.

User response: Use the error-description to identify the cause of the error. A possible cause is an invalid logstream or invalid entries within a valid logstream; the CICS logger and DFHJUP work only with CICS logstreams containing CICS records for the appropriate release.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLGSSI, DFHLGIGT

Destination: Console
DFHLG0195 LOG GAP WARNING UP TO BLOCKID X'data1'

Explanation: The CICS subsystem exit made a call to the MVS logger to access a log stream using the IXGBRWSE macro but this received a return code of IXGRSNCODEWARNING (X'04') with a reason code of lxsRsnCodeWarningGap (X'0403'). The blockid is the ID of the next readable data in the log stream.

System action: The CICS subsystem exit continues to access the log. This message is followed by message DFHLG0196.

User response: For further guidance on the lxsRsnCodeWarningGap reason code see the z/OS Assembler Services Reference. Use the blockid and the timestamp reported in DFHLG0196 to investigate further if required. The warning may be the result of known activity that has deleted log data from the log.

Module: DFHLGIGT
Destination: Console

DFHLG0196 STCK of block after gap (time format): X'data1'

Explanation: This message is issued in association with message DFHLG0195. It provides the timestamp from the blockid header corresponding to the block read after the reported gap.

System action: See message DFHLG0195.

User response: See message DFHLG0195.

Module: DFHLGIGT
Destination: Console

DFHLG0197 The CICS LOGR subsystem has detected an error. This might be caused by incorrect JCL.

Explanation: The CICS LOGR subsystem exit detected an unexpected error, which may be caused by incorrect JCL.

System action: The subsystem exit issues this message and continues processing.

User response: Check that DCB=BLKSIZE=32760 is coded against the logstream in the JCL for the failing batch job. More specifically, it must not be DCB=RECFM=VB. The following JCL fragment shows a valid specification //LSN DD DSN=HGPRICE.IYK2Z9S1.DFHJ98, // DCB=BLKSIZE=32760, // SUBSYS=(LOGR,DFHLGCNV, // 'FROM=(2005/181,16:00:00),TO=(2008/181,16:30:00)')

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLGSSI, DFHLGIGT
Destination: Console

DFHLG0301 date time applid An error has been detected for log stream stream for journal name journalname. The journal status has been set to FAILED.

Explanation: An error has been detected for log stream stream which is used by journal journalname.

System action: An exception entry is made in the trace table.

CICS marks the journal as failed and ends the associated connection with the log stream. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If journal journalname is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces.

If you cannot continue without the full use of journal journalname you should bring CICS down in a controlled shutdown.

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, stream, journalname

Destination: CSMT

DFHLG0302 date time applid Journal name journalname has been installed. Journal type: {MVS | SMF |DUMMY}stream.

Explanation: Journal name journalname has been installed and is available for use. The type of journal, and for type MVS only, the log stream name stream are also shown.

System action: An event entry is made in the trace table.

User response: None

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, journalname, {1=MVS ,2=SMF, 3=DUMMY}, stream
DFHLG0303 • DFHLG0401

Destination: CRDI

DFHLG0303 date time applid An error has been detected while connecting to log stream stream for journal name journalname. The journal status has been set to FAILED.

Explanation: An error has been detected connecting to log stream stream which is used by journal journalname.

System action: An exception entry is made in the trace table.

CICS marks the journal as failed. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User response: Notify the system programmer.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If CICS is still running, it is necessary to decide whether to terminate CICS.

If journal journalname is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing the CEMT or EXEC CICS command SET JOURNALNAME(journalname) ACTION(RESET).

If you cannot continue without the full use of journal journalname, you should bring CICS down in a controlled shutdown.

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, stream, journalname

Destination: CSMT

DFHLG0305 date time applid An error has been detected deleting the catalog entry for journal name journalname.

Explanation: An error has been detected deleting the global catalog entry for journal journalname.

System action: An exception entry is made in the trace table.

The old journal entry could not be discarded and may reappear after a CICS restart.

User response: Notify the system programmer.

See the associated CICS messages for more information and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal journalname, you should bring CICS down in a controlled shutdown.

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, journalname

Destination: CSMT

DFHLG0306 date time applid Journal name journalname has been discarded.

Explanation: Journal name journalname has been discarded and is no longer available for use.

Future attempts to use the journal name will cause it to be reinstalled using the journal model definitions active at that time.

System action: An event entry is made in the trace table.

User response: None.

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, journalname

Destination: CRDI

DFHLG0401 date time applid Journal model resource journalmodel has been installed.

Explanation: The journal model resource entry journalmodel has been installed and is available for use.

System action: An event entry is made in the trace table.

User response: None.

Module: DFHLGLD

XMEOUT Parameters: date, time,applid, journalmodel

Destination: CRDI
DFHLG0402  date time applid An error has been
detected writing the catalog entry for
journal model journalmodel.

Explanation: An error has been detected writing the
global catalog entry for journal model journalmodel.

System action: An exception entry is made in the
trace table.

The new journal model entry is used for this CICS run
but does not persist over a CICS restart

User response: Notify the system programmer.

See the associated CICS messages for more information
and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal
model journalmodel you should bring CICS down in a
controlled shutdown.

Module: DFHLGLD

XMEOUT Parameters: date, time,applid, journalmodel

Destination: CSMT

DFHLG0403  date time applid An error has been
detected deleting the catalog entry for
journal model journalmodel.

Explanation: The deletion of the global catalog entry
for journal model journalmodel has failed.

System action: An exception entry is made in the
trace table.

The old journal model entry could not be deleted and
may reappear after a CICS restart

User response: Notify the system programmer.

See the associated CICS messages for more information
and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal
model journalmodel you should bring CICS down in a
controlled shutdown.

Module: DFHLGJN

XMEOUT Parameters: date, time,applid, journalmodel

Destination: CSMT

DFHLG0404  date time applid Journal model resource
journalmodel1 has been replaced by
journalmodel2.

Explanation: A journal model resource entry has been
replaced because journal model journalmodel2 has the
same journal name template as journalmodel1.

System action: An event entry is made in the trace
table.

User response: None.

Module: DFHLGLD

DFHLG0405  date time applid Journal model
journalmodel has been discarded.

Explanation: Journal model journalmodel has been
discarded and is no longer available for use.

System action: An event entry is made in the trace
table.

User response: Notify the system programmer.

See the associated CICS messages for more information
and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal
model journalmodel you should bring CICS down in a
controlled shutdown.

Module: DFHLGLD

XMEOUT Parameters: date, time,applid, journalmodel

Destination: CRDI

DFHLG0501  date time applid Log stream definition for
stream suppressed by XLGSTRM user
exit.

Explanation: MVS log stream stream does not exist but
could not be defined because the XLGSTRM user exit
suppressed automatic installation.

System action: An exception entry is made in the
trace table.

CICS cannot define or connect to the log stream.
Applications attempting to use the stream receive an
error response and may terminate abnormally.

User response: Notify the system programmer. If
CICS is still running, it is necessary to decide whether
to terminate CICS.

Define the log stream directly to the MVS system
logger.

If stream stream is not crucial to the running of your
CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use
of an associated journal can be restored by issuing SET
JOURNALNAME(journalname) ACTION(RESET) via the
CEMT or EXEC CICS interfaces. If the log stream is a
data set forward recovery log or autojournal, reopen
the associated data sets.

If you cannot continue without the full use of log
stream stream, you should bring CICS down in a
controlled shutdown.

Module: DFHLGST

XMEOUT Parameters: date, time,applid, stream

Destination: Console and Transient Data Queue CRDI
DFHLG0502 • DFHLG0504

DFHLG0502  date time applid  Log stream stream defined to MVS using model stream model.

Explanation: MVS log stream stream did not exist and has been successfully defined to the MVS system logger using the attributes of model log stream model.

System action: An event entry is made in the trace table.

CICS connects and uses the newly defined log stream.

User response: None.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

Destination: CRDI

DFHLG0503  date time applid  Log stream stream, using model stream model, not defined to MVS for reason X’rc’/X’reason’.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model for reason X’rc’/X’reason’.

X’rc’ is the return code from the IXGINVNT macro and X’reason’ is the reason code returned by the IXGINVNT macro. These are described in the z/OS MVS Programming: Assembler Services Reference, Volume 1 and in the IXGCON macro.

System action: An event entry is made in the trace table. The trace entry contains additional diagnostic information from the system logger answer area (IXGANSAA).

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

Message DFHIME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model, X’reason’

Destination: Console and Transient Data Queue CSMT

DFHLG0504  date time applid  Log stream stream using model stream model not defined to MVS due to insufficient authority.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of insufficient authority.

To define a log stream CICS requires the following authority:

• ALTER authority to stream in the LOGSTRM class,
• UPDATE authority to model in the LOGSTRM class,
• UPDATE authority to resource IXLSTR.structure_name in the FACILITY class if the XLGSTRM exit supplies a structure name.

System action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

Destination: Console and Transient Data Queue CSMT
**DFHLG0505** date time applid Log stream stream using model stream model not defined to MVS because of an invalid HLQ parameter.

**Explanation:** MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of an invalid high level qualifier (HLQ) parameter.

The HLQ parameter specifies the high level qualifier to be used for log stream data sets.

**System action:** An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the HLQ parameter in the *model* logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

**Module:** DFHLGST

**XMEOUT Parameters:** date, time, applid, stream, model

**Destination:** Console and Transient Data Queue CSMT

---

**DFHLG0507** date time applid Log stream stream using model stream model not defined to MVS. Maximum number of streams reached.

**Explanation:** MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because the maximum number of log streams for the coupling facility structure has been reached.

The maximum number of streams per structure is specified in the LOGSNUM parameter when defining a structure to the MVS system logger.

**System action:** An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Change the STRUCTNAME parameter in the *model* logger definition or the XLGSTRM exit to point to a structure that has room for more streams or delete unneeded streams from the current structure.
You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

Destination: Console and Transient Data Queue CSMT

DFHLG0508 • DFHLG0510

DFHLG0508 date time applid Log stream stream not defined to MVS because model stream model does not exist.

Explanation: MVS log stream stream could not be defined to the MVS system logger because the model log stream model does not exist.

System action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

Destination: Console and Transient Data Queue CSMT

DFHLG0509 date time applid Log stream stream using model stream model not defined to MVS because of an invalid stream name.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of an invalid coupling facility structure name.

System action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

Destination: Console and Transient Data Queue CSMT
If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the JOURNALMODEL definition used to create the stream name and DISCARD any JOURNAL definitions which refer to the stream name or, if the stream is a VSAM forward recovery log stream, correct the stream name in the VSAM data set's catalog entry.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

**Module:** DFHLGST

**XMEOUT Parameters:** date, time,applid, stream, model

**Destination:** Console and Transient Data Queue CSMT

---

DFHLG0511  *date time applid* Log stream *stream* using model *stream* model not defined to MVS because STRUCTNAME parameter missing in model.

**Explanation:** MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because the model log stream definition does not contain the required STRUCTNAME parameter.

**System action:** An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Redefine the model log stream in the MVS system logger's LOGR couple data set using the IXCMIAPU utility ensuring the model stream definition contains the STRUCTNAME(*structure_name*) parameter to indicate which coupling facility structure is to be used for the log stream. Alternatively you can use the CICS exit, XLGSTRM, to supply the structure name to the MVS system logger.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

**Module:** DFHLGST

**XMEOUT Parameters:** date, time,applid, stream, model

**Destination:** Console and Transient Data Queue CSMT

---

DFHLG0512 *date time applid* Log stream *stream* cannot be used as both a system log and a general log.

**Explanation:** MVS log stream *stream* cannot be used as both a system log and as a general log.

It is likely that a JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

Alternatively a system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

**System action:** CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Review and correct your installed Journalmodels to ensure that the the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the CEMT DISCARD JOURNALNAME() command to remove any journals that have been installed with the incorrect stream name. and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

**Module:** DFHLGST

**XMEOUT Parameters:** date, time,applid, stream

**Destination:** CSMT

---

DFHLG0513 *date time applid* Log stream *stream* has failed and new connections cannot be accepted.

**Explanation:** MVS log stream *stream* has been marked as failed by a previous error. The stream cannot be used again until all current users of the stream have
disconnected and the problem that caused the failure has been resolved.

**System action:** CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

CICS continues with attempting to quiesce usage of the log stream and will disconnect from the log stream.

**User response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Use the MVS console command DISPLAY GRS,RES=(DFHSTRM,stream) to find which other CICS region or regions are using the log stream.

Review and correct your installed Journalmodels to ensure that the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the command CEMT DISCARD JOURNALNAME() to remove any journals that have been installed with the incorrect stream name. You will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

**Module:** DFHLGST
**XMEOUT Parameters:** date, time, applid, stream
**Destination:** Console and Transient Data Queue CSMT

---

**DFHLG0730**

**applid** A severe error (code X’code’) has occurred while opening the system log (journalname). CICS will be terminated.

**Explanation:** The CICS log manager has detected a severe error while opening the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHL2SLN
**XMEOUT Parameters:** applid, X’code’,journalname

---

**DFHLG0514**

Log stream stream is in use by another CICS system.

**Explanation:** MVS log stream stream is in use by another CICS region.

General log streams can be shared between CICS regions but each CICS region must have unique system log streams.

One of the following may have occurred

- You are running two copies of the CICS region (same APPLID)
- A JOURNALMODEL resource definition has resulted in the same log stream name for a system log as for the system log journal names (DFHLOG and DFHSHUNT) for another CICS region.
- A JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).
DFHLG0731  applid A failure has occurred while opening the system log (journalname).  CICS will be terminated.

Explanation: The CICS log manager has detected a failure while opening the primary or secondary system log. The nature of the failure is indicated by a previous CICS message.

System action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User response: Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as AUTO.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHL2SLN

XMEOUT Parameters: applid, journalname

Destination: Console

DFHLG0733  applid A log stream type of SMF has been requested for the system log (journalname). This is not allowed.

Explanation: A log stream type of SMF has been specified on the JOURNALMODEL definition for either the primary or secondary system log. JOURNALMODEL definitions for the system log must have a log stream type of either MVS or DUMMY.

System action: An exception entry is made in the trace table and CICS is terminated. CICS cannot operate with an SMF system log.

User response: Change the JOURNALMODEL definition so that a log stream type of either MVS or DUMMY is specified.

Module: DFHL2SLN

XMEOUT Parameters: applid, journalname

Destination: Console

DFHLG0734  applid A severe error (code X'code') has occurred while accessing the CICS system log. CICS will be terminated.

Explanation: The CICS log manager has detected a severe error while writing to or reading from the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as AUTO.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHL2SLE

XMEOUT Parameters: applid, X'code'

Destination: Console

DFHLG0735  applid A failure has occurred while {writing to | reading from} the system log (journalname). Access to the system log has been lost. CICS will be terminated.

Explanation: The CICS log manager has detected a failure while writing to or reading from the system log. The nature of the failure is indicated by a previous CICS message, and implies that data on the log has not been lost.

System action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User response: Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If you cannot resolve the problem, or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHL2SLE

XMEOUT Parameters: applid, {1=writing to, 2=reading from}, journalname

Destination: Console

DFHLG0736  applid A failure has occurred while reading from the system log (journalname). The requested data could not be found. CICS will be quiesced allowing some tasks to complete. Further work requires an initial start.

Explanation: The CICS log manager is unable to locate uniquely identifies the place where the error was detected.
previously hardened data when reading from the system log during the dynamic backout of a task. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

**System action:** No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

**User response:** Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Module:** DFHL2SLE

**XMEOUT Parameters:** applid, journalname

**Destination:** Console

---

**Explanation:** The CICS log manager attempted to start transaction CSQC to quiesce CICS via a normal shutdown but the attempt was unsuccessful. CICS was being quiesced because the integrity of the system log is suspect.

**System action:** An exception entry is made in the trace table, and a system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

**User response:** Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Also attempt to establish why transaction CSQC failed to start, and correct the problem. If the error condition persists, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Module:** DFHL2SLE

**XMEOUT Parameter:** applid

**Destination:** Console

---

**Explanation:** The CICS log manager received a lost data warning when writing to the system log. This implies that data on the system log has been lost.

**System action:** No blocks are written to the system log. CICS is quiesced without logging, allowing tasks to complete. Further work requires an initial start.

**User response:** Incomplete transactions will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Module:** DFHL2SLE

**XMEOUT Parameters:** applid, journalname

**Destination:** Console

---
means that one or more blocks of previously hardened data have been lost from the system log. The integrity of the system log is therefore suspect.

**System action:** No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start CICS will terminate before allowing user processing to begin because system log data may have been lost.

**User response:** Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHL2SLE

**XMEOUT Parameters:** applid, journalname

**Destination:** Console

---

**DFHLG0741**  
applid A failure to read data from the system log during dynamic backout has caused task tasknum to be suspended indefinitely. Trapid transid, termid termid.

**Explanation:** Task tasknum with trapid transid running at termid termid has been suspended indefinitely. Data required during dynamic backout could not be located on the system log. This message is preceded by message DFHLG0736.

**System action:** The task is suspended. CICS in the process of quiescing via a normal shutdown.

**User response:** Refer to the message explanation for message DFHLG0736.

**Module:** DFHL2SLE

**XMEOUT Parameters:** applid, tasknum, tranid, termid

**Destination:** Console

---

**DFHLG0742**  
date time applid Log record too long for block. Record size rsiz bytes. Block size bsize bytes. (MVS log stream 1 SMF journal name).

**Explanation:** The CICS log manager has detected an attempt to write a log record to an MVS logger log stream or SMF journal where the log record is too long to fit in the maximum block size allowed.

The message indicates the size of the log record and the maximum size of a block for that log stream. The size of the log record includes a CICS record header (up to 200 bytes for system log, 56 bytes otherwise) and any user prefix data. There must also be enough room in the block for a CICS block header (158 bytes for SMF, 52 bytes for system log, 40 bytes otherwise).

**System action:** An exception entry is made in the trace table. If the log stream is part of the CICS system log and the log record was not written by a user application or exit program then CICS is terminated. Otherwise an exception is passed back to the caller.

**User response:** First establish whether a log record of the indicated size is expected. If the log record was written by a user application or exit program using EXEC CICS WRITE JOURNALNAME or DFHJCJCX WRITE_JOURNAL_DATA, the program could be in error.

If the log record is correct, you should increase the block size for an MVS logger log stream by defining a larger block size for the structure that the log stream will use. For an SMF journal, the block size is fixed at 32756 bytes and cannot be changed.

**Module:** DFHL2LB, DFHL2WF, DFHL2CHM

**XMEOUT Parameters:** date, time, applid, rsiz, bsize, {1=MVS log stream, 2=SMF journalname}

**Destination:** CSMT

---

**DFHLG0743**  
date time applid Tail of log stream lsn deleted at block id X’blockid’.

**Explanation:** The CICS log manager has trimmed the tail of MVS logger log stream lsn. All records that occurred before (older) the specified MVS logger block id blockid have been deleted.

This occurs during activity keypoint processing when CICS decides it no longer needs records beyond a certain age on a CICS system log log stream.

**System action:** CICS continues processing.

**User response:** None.

**Module:** DFHL2CHE

**XMEOUT Parameters:** date, time, applid, lsn, X’blockid’

**Destination:** CSMT

---

**DFHLG0744**  
date time applid All records in log stream lsn have been deleted.

**Explanation:** The CICS log manager has deleted all records from MVS logger log stream lsn.

This occurs either at CICS startup when the start type is initial, or during activity keypoint processing, when CICS decides it no longer needs any of the records currently on a CICS system log log stream.

**System action:** CICS continues processing.

**User response:** None.

**Module:** DFHL2CC, DFHL2CHE

**XMEOUT Parameters:** date, time, applid, lsn

**Destination:** CSMT
DFHLG0745I  applid System log full scan has started.
Explanation: The CICS log manager has started the full scan of the system log during startup.
This is a progress message.
System action: CICS continues processing.
User response: None. The message can be suppressed with the SIT parameter MSGVLVL=0.
Module: DFHL2CHA
XMEOUT Parameter: applid
Destination: Console

DFHLG0746  date time applid System log scan trim record found. Primary logstream block id X'pblock', secondary logstream block id X'sblock'.
Explanation: The CICS log manager has encountered a trim record during the scan of the system log stream during startup. The primary logstream trim record block id is pblock, the secondary logstream trim record block id is sblock.
This is an informational message.
System action: CICS continues processing.
User response: None.
Module: DFHL2CHN
XMEOUT Parameters: date, time,applid, X'pblock', X'sblock'
Destination: CSMT

DFHLG0747I  applid System log scan continuing, count records processed.
Explanation: The CICS log manager has processed count records during the scan of the system logstream at a CICS restart.
The message is produced every 'n' records - where 'n' is half of AKPFREQ or 500, which ever is the greatest.
This is a progress message.
System action: CICS continues processing.
User response: None. The message can be suppressed with the SIT parameter MSGVLVL=0.
Module: DFHL2CHN DFHL2CH4
XMEOUT Parameters: applid, count
Destination: Console

DFHLG0748I  applid System log selective scan has started.
Explanation: The CICS log manager has started the selective scan of the system log during startup.
This is a progress message.
System action: CICS continues processing.
User response: None. The message can be suppressed with the SIT parameter MSGVLVL=0.
Module: DFHL2CHH
XMEOUT Parameter: applid
Destination: Console

DFHLG0749I  applid System log scan has completed.
Explanation: The CICS log manager has finished the scan of the system log stream during startup.
This is a progress message.
System action: CICS continues processing.
User response: None. The message can be suppressed with the SIT parameter MSGVLVL=0.
Module: DFHL2CHL
XMEOUT Parameter: applid
Destination: Console

DFHLG0750  applid Transaction CSQC has failed to perform a normal shutdown of CICS. Perform a normal shutdown of CICS manually.
Explanation: Transaction CSQC has failed to quiesce CICS via a normal shutdown because an error was detected. CICS was being quiesced because the integrity of the system log is suspect.
System action: A system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.
User response: Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.
Attempt to establish why transaction CSQC failed to quiesce CICS, and correct the problem. If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHLGQC
XMEOUT Parameter: applid
Destination: Console
**DFHLG0760**  
*date time applid Log stream lsn not trimmed by keypoint processing.*  
Number of keypoints since last trim occurred **trimnum**. History point held by transaction: **transid**, task number: **trannum**.

**Explanation:** The CICS log manager has been unable to trim the tail of MVS logger log stream *lsn*, during an activity keypoint.

CICS will attempt to trim the system log log streams during activity keypoint processing, to delete redundant data from the oldest end of the log stream (the tail).

Note that this message is only issued if the primary system log stream (DFHLOG) fails to be trimmed during a keypoint operation. It is not issued if a trim does not occur for the secondary system log stream (DFHSHUNT). This is since a trim of the primary system log stream is considerably more likely to occur per keypoint, and hence failures to trim the primary system log stream should be recognized, and investigated if required.

**System action:** CICS continues processing.

**User response:** This is an informational message, but should be treated as a warning of a potential problem if the number of keypoints that have been unable to trim the primary system log stream continues to increase. Occasional keypoints that fail to trim DFHLOG are not unexpected events. However, if the message is issued by a number of sequential keypoints then this warrants further investigation.

The keypoint operation was unable to trim the tail of DFHLOG because the oldest log records on the log stream belong to a Unit Of Work (UOW) that is still required. This may be a validly long-running UOW; alternatively, it may be part of a long-running task executing an application that generates log records but does not issue syncpoint requests regularly enough.

This may be a transient phenomenon due to an atypical long-running UOW. Review the number of keypoints that have been unable to trim the log. Check what message CICS issues for log stream *lsn* at the next activity keypoint. Message DFHLG0743 indicates the log stream is now successfully trimmed. Another DFHLG0760 message indicates a long-running UOW still exists on the system. If the log stream still cannot be trimmed, use the CEMT INQUIRE UOW command to review the oldest UOWs on the system.

The transaction identifier and the task number of the task whose UOW relates to the oldest data on DFHLOG are also provided in the DFHLG0760 message. The CEMT INQUIRE TASK command may be used to review them.

It is also worthwhile reviewing how often CICS is performing activity keypoints (as defined by the AKPFFREQ system definition parameter).

---

**DFHLG0770**  
*applid A severe error has occurred while writing to the SMF log, which was accessed via journal *jname*. SMF response *X'resp'*.*

**Explanation:** The CICS log manager has detected a severe error while writing to the SMF log. This is accessed via journal *jname*. SMF returns the response byte *X'resp'*.

**System action:** An exception entry is made in the trace table, a system dump is taken and an exception is returned to the caller.

**User response:** Using the SMF response byte, diagnose and correct the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHL2LB

**XMEOUT Parameters:** applid, jname, X'resp'

**Destination:** Console

---

**DFHLG0771**  
*date time applid A temporary error condition occurred during MVS logger operation {IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY | IXCONNECT | IXDISCONNECT | IXSTART | IXREDCURSOR | IXREADBLOCK | IXEND | ALL | RANGE} for log stream lsn. MVS logger codes: X'ret', X'rsn'.*

**Explanation:** The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

**System action:** The log manager automatically retries the operation while the temporary error condition persists. This message is issued every thirty seconds following the first/previous issue.

**User response:** None. This is a temporary condition.

**Module:** DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT Parameters:** date, time, applid, 1=IXGCONN, 2=IXGWRITE, 3=IXGBRWSE, 4=IXGDELET,
DFHLG0772 • DFHLG0773

DFHLG0772

applid An error has occurred during MVS logger operation (IXGCONN | IXGWRITE | IXGBRWSE | IXGDELETE | IXQUERY | IXCONNECT | DISCONNECT | START | READCURSOR | READBLOCK | END | ALL | RANGE). lsn, X'ret', X'rsn'. Log stream attributes: SYSTEMLOG(YES | NO), DASDONLY(YES | NO), STRUCTNAME(structname), RETPD(X'retpd'), AUTODELETE(YES | NO).

Explanation: The CICS log manager made a call to the MVS logger to access a log, which returned an error condition. The MVS logger operation that returned the error condition is identified in the message, and the return and reason codes shown are those returned by the MVS logger. This is followed by some of the attributes which define the log stream. A structure name of "************" indicates that no structure is being used by this log stream.

If the error occurred during a log stream connection, these attributes may not have been updated to the correct values for the log stream and should be ignored. These attributes are only valid following a successful connection.

This message may be followed by other CICS messages, especially if the log stream is part of the CICS system log.

This situation can occur when CICS calls the MVS logger using an obsolete log stream connection token, when the MVS logger has been restarted following either a crash or a user request. A restart of the MVS logger implicitly disconnects all connections to it.

For further guidance, see the z/OS MVS Programming: Assembler Services Guide.

System action: An exception entry is made in the trace table, and a system dump is taken.

The log manager returns an exception condition.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If the MVS logger was recently restarted, AUTO start CICS. Otherwise use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ, DFHL2HB

XMEOUT Parameters: applid, {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELETE }, 5=IXQUERY , {1=CONNECT, 2=DISCONNECT, 3=, 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn, X'ret', X'rsn'.

Destination: Console

DFHLG0773

applid A severe error (code X'code') has occurred while accessing (IXGCONN | IXGWRITE | IXGBRWSE | IXGDELETE | IXCONNECT | DISCONNECT | START | READCURSOR | READBLOCK | END | ALL | RANGE) the log stream lsn.

Explanation: The CICS log manager has detected a severe error while attempting to access a log. The code X'code' is the exception trace point ID which uniquely identifies where the error was detected. This message is preceded by DFHLG0001, and usually followed by other messages.

System action: An exception entry is made in the trace table. A system dump will have been taken by DFHLG0001. The log manager returns a disaster condition to the caller. If the log is the CICS system log, a forward recovery log or autojournal log, another message is issued. Otherwise a disaster condition is returned to the application program.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Refer to other messages following this message for more information and guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: applid, X'code', {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELETE }, 5=IXQUERY , {1=CONNECT, 2=DISCONNECT, 3=, 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn

Destination: Console
DFHLG0774  applid The MVS logger has returned an alert during operation \{IXGCONN CONNECT | IXGWRITE \} for log stream lsn. The log stream data set directory is full. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager has detected a warning while attempting to access a log stream. The log stream's data set directory is full.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: An exception entry is made in the trace table.

CICS continues normal operation until the current data set of the log stream becomes full. When this happens message DFHLG0772 is issued.

User response: You should delete data from the log stream tail before the current data set fills up. You may wish to take a copy of the data before deleting it. Alternatively you could use a new log stream, but this may be too disruptive.

Module: DFHL2HS2, DFHL2HSF

XMEOUT Parameters: applid, \{1=IXGCONN CONNECT, 2=IXGWRITE \}, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0775  applid The MVS logger has returned an alert during operation \{IXGWRITE \} for log stream lsn. The log stream writer offload task is failing. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an alert while attempting to access a log stream. The log stream staging data set has failed.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: An exception entry is made in the trace table.

CICS continues normal operation, but the data written to the log stream structure is not being duplexed. Consequently, if the structure (or coupling facility) fails, the data cannot be recovered.

User response: You are recommended to shutdown CICS as soon as possible. You should investigate and fix the failing log stream, without losing the data.

If the failing log stream is the CICS system log and CICS was shutdown immediately, you should emergency restart CICS in order to recover the inflight transactions.

Module: DFHL2HSF

XMEOUT Parameters: applid, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0776  applid The MVS logger has returned an alert during operation IXGWRITE for log stream lsn. The log stream staging data set has failed. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an alert while attempting to access a log stream. The log stream staging data set has failed.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: An exception entry is made in the trace table.

CICS continues normal operation, but the data written to the log stream structure is not being duplexed. Consequently, if the structure (or coupling facility) fails, the data cannot be recovered.

User response: You are recommended to shutdown CICS as soon as possible. You should investigate and fix the failing log stream, without losing the data.

If the failing log stream is the CICS system log and CICS was shutdown immediately, you should emergency restart CICS in order to recover the inflight transactions.

Module: DFHL2HSF

XMEOUT Parameters: applid, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0777  applid A temporary error condition occurred during MVS logger operation \{IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY \} for log stream lsn. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: The log manager automatically retries the operation while the temporary error condition persists. This message is issued every thirty seconds following the first/previous issue.

User response: None. This is a temporary condition.

Module: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: applid, \{1=IXGCONN,
**DFHLG0778 • DFHLG0780**

2=IXGWRITE, 3=IXGBRWSE, 4=IXGDELETE, 5=IXQUERY, {1=CONNECT, 2=DISCONNECT, 3=START, 4=READCURSOR, 5=READBLOCK, 6=END, 8=ALL, 9=RANGE}, lsn, X’ret’, X’rsn’

**Destination:** Console

---

**DFHLG0778** applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. CICS does not have authority to perform this operation. MVS logger codes: X’ret’ X’rsn’.

**Explanation:** The CICS log manager has detected an error while attempting to access a log stream. CICS region userid has not been defined to the MVS logger with the authority to perform this operation.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

**System action:** An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

**User response:** Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You will need to understand why another program was deleting the log stream. Either prevent such a conflict from occurring in the future, or allocate a different log stream to CICS.

**Module:** DFHL2HS2

**XMEOUT Parameters:** applid, lsn, X’ret’, X’rsn’

**Destination:** Console

---

**DFHLG0779** applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The log stream is being deleted by another program. MVS logger codes: X’ret’ X’rsn’.

**Explanation:** The CICS log manager has detected an error while attempting to access a log stream. The log stream is being deleted by a request from another program and CICS cannot connect to it until this program has finished.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

**System action:** An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log stream is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

**User response:** Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You will need to understand why another program was deleting the log stream. Either prevent such a conflict from occurring in the future, or allocate a different log stream to CICS.

**Module:** DFHL2HS2

**XMEOUT Parameters:** applid, lsn, X’ret’, X’rsn’

**Destination:** Console
DFHLG0781  applid  The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The maximum number of log stream connections that the MVS logger can support has been reached. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The maximum number of log stream connections that the MVS logger can support has been reached.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Module: DFHL2HS2

XMEOUT Parameters: applid, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0782  applid  The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The MVS logger does not have authority to access the log stream structure. MVS logger codes X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger does not have the authority to access the log stream structure.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference, Volume 1.

System action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Module: DFHL2HS2

XMEOUT Parameters: applid, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0783  applid  The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. CICS attempted to connect to a log stream model, which is not possible. MVS logger codes X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. CICS attempted to connect to a log stream model, which is not possible.

For further guidance, see the z/OS MVS Programming: Assembler Services Guide.

System action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Module: DFHL2HS2

XMEOUT Parameters: applid, lsn, X’ret’, X’rsn’

Destination: Console

DFHLG0784  applid  The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. You cannot connect to a DASDONLY log stream that is already connected to another MVS image. MVS logger codes: X’ret’ X’rsn’.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log
stream is of type DASDONLY and is already connected to another MVS image.

For further guidance, see the *z/OS MVS Programming: Assembler Services Reference, Volume 1*.

**System action:** An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

**User response:** Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY were designed to work within the scope of a single MVS image only (although the MVS image itself can still be part of a sysplex).

The possibilities are:

- The connect request is using the wrong log stream name.
- The current connection is using the wrong log stream name.
- The log stream was wrongly defined as being of type DASDONLY.

**Module:** DFHL2HS2

**XMEOUT Parameters:** applid, lsn, X'ret', X'rsn'

**Destination:** Console

---

**DFHLG0785** applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. This is a DASDONLY log stream, which is not supported by the current system release level. MVS logger codes: X'ret' X'rsn'.

**Explanation:** The CICS log manager has detected an error while attempting to access a log stream. The MVS logger failed to find a suitable coupling facility for the log stream structure.

**System action:** An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

**User response:** Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You should investigate your usage of the coupling facility resource within the sysplex.

**Module:** DFHL2HS2

**XMEOUT Parameters:** applid, lsn, X'ret', X'rsn'

**Destination:** Console

---

**DFHLG0787** applid CICS is attempting to read a blockid that does not belong to the current chain. Read blockid: X'blkid1'; Chain History Point: X'blkid2'.

**Explanation:** The requested blockid is a lower relative number than the Chain History Point blockid, which means the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown in the message.
**System action:** An exception entry is made in the trace table and a system dump is taken, and the CICS log manager returns an exception condition.

If the failure occurred while CICS was reading from the system log, message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

**User response:** The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the CICS Operations and Utilities Guide. If the failure occurred for the CICS system log, print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHL2BLC

**XMEOUT Parameters:** applid, X'blkid1', X'blkid2'

**Destination:** Console

---

**Explanation:** When connecting to the DFHLOG and DFHSHUNT journals, the CICS Logger Domain has detected that both journals are defined on the same MVS logstream (logstream). This is invalid. CICS will terminate.

**System action:** An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

**User response:** Correct the JOURNALMODEL definitions used to define the DFHLOG and DFHSHUNT journals and restart the system.

**Module:** DFHL2SLE

**XMEOUT Parameters:** applid, logstream

**Destination:** CSMT

---

**Explanation:** When the CICS log manager issued an IXGDELETE request to delete data from the log stream, the Logger Resource Manager Interface suppressed the delete operation.

**System action:** An exception entry is made in the trace table.

**User response:** This may be expected behaviour. Check the status and settings of the Logger Resource Manager Interface, in relation to the meaning of the reason code from the IXGDELETE request.

**Module:** DFHL2CHE, DFHL2CC

**XMEOUT Parameters:** date, time, applid, lsn, X'ret', X'rsn'

**Destination:** CSMT

---

**Explanation:** The MVS logger has returned an IXgRsnCodeNoBlock (00000804) Reason Code to the CICS log manager. This means that the log block requested by CICS could not be located by the MVS logger.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown.

**System action:** This is an informational message to provide the blockid of the missing block, and the blockid of the Chain History Point for the chain which should contain the requested block.

This message will have been preceded by message DFHLG0772. An exception trace was written and a system dump taken.

If the failure occurred while CICS was reading from the system log message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

**User response:** Compare the requested blockid with the Chain History Point blockid. If the requested blockid is equal to, or a higher relative number than, the Chain History Point, the blockid represents a log block which CICS is still validly interested in and which should be available from the MVS logger.

If the requested blockid is a lower relative number than the Chain History Point blockid, then the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the CICS Operations and Utilities Guide. Note if the failure occurred for the CICS system log then print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
DFHLM0001 applid An abend (code abcode) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code abcode is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If there is an MVS code, look it up in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLMDM, DFHLMD, DFHLMQ, DFHLMLM

DFHLM0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMMD). A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHLMDM, DFHLMD, DFHLMQ, DFHLMLM

DFHLM0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.
**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module `modname` in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module `modname` has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname` and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHLM006, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT Parameters:** `applid`, `X'offset'`, `modname`

**Destination:** Console

---

DFHLM0006 `applid` Insufficient storage to satisfy Getmain (code `X'code'`) in module `modname`. MVS code `mvscode`.

**Explanation:** An MVS GETMAIN was issued by module `modname`, but there was insufficient storage available to satisfy the request. The code `X'code'` is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16M line.

The code `mvscode` is the MVS GETMAIN return code.

**System action:** An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDM006). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try decreasing the overall size limits of the DSAs or EDAS. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

**Module:** DFHLM006, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT Parameters:** `applid`, `X'code'`, `modname`, `mvscode`

**Destination:** Console

---

**DFHMC4000** CICS SYNAD EXIT TAKEN FOR `dscname`, INPUT MSG TRUNCATED.

**Explanation:** This message is issued when the SYNAD exit is taken for an input queue. `dscname` represents the DSCNAME.

**System action:** The DCB is closed and then opened again. The data is truncated to the specified block size and passed to the user.

**User response:** Increase the block size or reduce the length of input.

**Module:** MVS data management determines the problem. This message is issued from the CICS-provided SYNAD routine generated in the terminal control table (TCT).
**DFHMC4001I • DFHME0002**

**Destination:** Console

DFHMC4001I  *date* *time* *applid* Error purge delay inoperative, *(transid | invalid req | unexpected) error*

**Explanation:** An error return code has been received from the interval control program (ICP) during initiation of the purge delay transaction, CSPQ.

The return code is caused by one of the following:
- A TRANSID error.
- An INVALID REQ error.
- An UNEXPECTED error.

**System action:** Purge delay does not operate for this execution of CICS. A dump is taken.

**User response:**
- For a TRANSID error, define transaction CSPQ.
- For an INVALID REQ, the ICP returned an INVALID REQUEST return code in response to the INITIATE request. Determine why this has occurred and correct the problem.
- For an UNEXPECTED error, the ICP returned an unrecognized error code in response to the INITIATE request. The error code can be found in the dump at label MCPINERR in program DFHMCP. Determine why this has occurred and correct the problem.

**Module:** DFHMCP

**XMEOUT Parameters:** *date, time,applid, {1=transid, 2=invalid req, 3=unexpected}*

**Destination:** CSMT

**DFHMEEnnnn messages**

DFHME0001 *applid* An abend *(code xxx/yyyy)* has occurred at offset *X’offset’ in module *modname*.

**Explanation:** An abnormal end or program check has occurred in module *modname*.

The code *xxx/yyyy* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code (for example AKEA) or a number referring to a CICS message (for example 1310 refers to CICS message DFHTS1310).

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Since the abend affects the national language modules in the message (ME) domain, CICS is not automatically terminated. However, you may decide that your system should not be allowed to run without these modules, in which case you need to bring CICS down.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in this manual. Look up the CICS alphanumeric code in this manual. This code tells you, for example, whether the error was a program check, an abend, a runaway, or a recovery percolation.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMEDM, DFHMEME, DFHMESR

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DFHME0002 *applid* An error *(code X’code’)* has occurred in module *modname*.

**Explanation:** An error has been detected in module *modname*. The code X’code’ is the exception trace point id which uniquely identifies the place where the error was detected.

**System action:** A bad return code is sent to the caller of the message (ME) domain. If the call is made by the domain manager, DFHDMDM, CICS is terminated by the domain manager, and a message is issued to this effect. However, if the message is issued by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated immediately, even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer as this message indicates a severe error in CICS code. Its impact may or may not be severe, depending on the circumstances. For example, if it only occurs once and CICS has not been terminated by the domain manager, you may decide to continue to run and bring CICS down at a convenient time. But if the message recurs or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide.
Guide for guidance on how to proceed.

**Module:** DFHumedm, DFHumed, DFHumesr, DFHMewt

**Destination:** Console

DFHME0004 **applid** A possible loop has been detected at offset X'offset' in module *modname*.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This situation may not be an error, or if it is an error it may not be critical, so CICS is not terminated immediately, even if you have specified terminate in the dump table.

CICS will purge the runaway task if you have specified this in the SIT.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This error affects message generation, and the message (ME) domain does not automatically terminate CICS. You should decide whether the problem is serious enough to bring CICS down.

Since some transactions can use a lot of CPU time, this message may have been caused by a long-running transaction. Usually, CICS terminates a task which it considers to be a runaway task. It does this termination when the task exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds).

If you have declared ICVR=0, you have to terminate the task yourself if you consider that it has gone into a loop. Purge the task using the CEMT transaction.

If CICS has purged the task and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time in order to do this.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHumedm, DFHumesr, DFHume

**Destination:** Console

DFHME0006 **applid** Insufficient storage to satisfy GETMAIN (code X'code') in module *modname*. MVS code *mvscode*.

**Explanation:** An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request. The code X'code' is the exception trace point ID which uniquely identifies the place in the code where the error occurred. The code *mvscode* is the MVS GETMAIN return code.

**System action:** An exception entry is made in the trace table with code X'code'. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified terminate in the dump table. However, if this error indicates a general problem with storage, CICS could be abnormally terminated by the CICS storage manager. A message will be issued to this effect.

If the GETMAIN fails for DFHumedm, a return code is sent to the domain manager, DFHumedm, and CICS is terminated by the domain manager. A message is issued to this effect.

If the GETMAIN fails for the message domain DFHune, it could occur in one of four places. The code X'code' indicates which GETMAIN has failed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0340'</td>
<td>During formatting of TD message</td>
</tr>
<tr>
<td></td>
<td>The message is not issued.</td>
</tr>
<tr>
<td>X'0341'</td>
<td>During build of message</td>
</tr>
<tr>
<td></td>
<td>The message is not issued.</td>
</tr>
<tr>
<td>X'0342'</td>
<td>While building user exit parameters</td>
</tr>
<tr>
<td></td>
<td>The message is issued to original destination.</td>
</tr>
<tr>
<td>X'0343'</td>
<td>During rebuild of message in English</td>
</tr>
<tr>
<td></td>
<td>The rebuilt English message is not issued.</td>
</tr>
</tbody>
</table>

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If CICS is terminated, look out for the relevant termination messages from the storage manager or the domain manager and the user response suggested.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. You will need to bring CICS down to do this, if it has not already been terminated.

The problem may be a temporary one which rights itself if more storage becomes available. If CICS is still running, and you can manage without the full set of CICS messages, you may decide to continue and bring CICS down at a convenient time.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

**Module:** DFHumedm, DFHume

---

DFHME0004 • DFHME0006

Chapter 4. DFH messages - DFH01 to DFHM 889
DFHME0101  •  DFHME0103

**Destination:** Console

**DFHME0101** `applid` **An error (code X'code') occurred while writing message msgno to transient data queue queue.**

**Explanation:** CICS has tried to write message `msgno` to the transient data queue `queue`. This has failed for one of the following reasons:
1. Queue `queue` does not have an installed resource definition.
2. Queue `queue` is currently disabled.
3. The transient data queue `queue` is full.
4. An I/O error has occurred writing to queue `queue`.

The code `X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** An exception entry is made in the trace table and CICS continues.

**User response:** Check that `queue` is defined to CICS and that the resource definition is installed.

If (1), create and install a TDQUEUE resource definition for queue `queue`. Alternatively, if `msgno` is a DFHDB2xxx message, change any of the msgqueue1, msgqueue2 and msgqueue3 parameters of the installed DB2CONN resource definition that specify queue `queue` so that they name a valid transient data queue.

If (2), use CEMT to reset the status of the queue to 'enabled'.

If (3), allocate more space for the queue, or reset the trigger level (if messages are being issued to a terminal or printer).

If (4), investigate and fix the cause of the I/O error.

**Module:** DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

**Destination:** Console

**DFHME0102** `applid` **An error (code X'code') has occurred in module modname while producing message msgno.**

**Explanation:** A severe error has been detected and the message (ME) domain has been unable to produce message `msgno`. The code `X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action:** A return code is sent to the caller of the message (ME) domain, but since the call was made by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified `terminate` in the dump table.

**Message DFHME0116** should be produced containing the symptom string for this problem.

**User response:** Inform the system programmer as this indicates a severe error in CICS code. However, its impact may not be serious. For example, if the error only occurs once and you can run without message `msgno`, you may continue to run and bring CICS down at a convenient time.

However, if the message recurs (and on each recurrence there is a different message number `msgno`), or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Module:** DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

**Destination:** Console

**DFHME0103** `applid` **Insufficient 64-bit storage to load module modname.**

**Explanation:** The message language module `modname` cannot load as there was insufficient 64-bit storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (unless it is a double-byte language when the message is sent to the console in English). If the default language module cannot load, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot load, terminal messages use the default language instead.

**System action:** An exception entry is made in the trace table and a dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated unless the default language module cannot load, (even if you have specified `terminate` in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages to terminals. If the default language module cannot load, a return code is sent to the domain manager which terminates CICS.

**User response:** If the default language is in use and this is acceptable, you do not need to bring CICS down, or you can bring CICS down at a more convenient time.

If the default language is in use but this is not acceptable, or if the default language module itself is missing, bring CICS down and increase the z/OS MEMLIMIT parameter.
Alternatively, remove unwanted language modules from storage to obtain more storage space. To do this, bring CICS down and either remove the language codes you do not need from the SIT, or respecify the list of language modules as an override parameter. Then restart CICS. You should not remove the default language module from the SIT.

**Module:** DFHMEDM

**Destination:** Console

---

**DFHME0105 applid Insufficient storage to load module modname.**

**Explanation:** An MVS load has failed. The message language module modname could not be loaded as there was insufficient storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language in which case the message is sent to the console in English). If the default language module cannot be loaded, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot be loaded, terminal messages use the default language instead.

**System action:** An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded, (even if you have specified terminate in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages.

If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified terminate in the dump table).

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

**Module:** DFHMEDM

**Destination:** Console

---

**DFHME0107 applid Module modname cannot be found in the library.**

**Explanation:** The message load module modname was not found in the library defined in the JCL for the CICS job. This load module is a language module for messages. It is either a module which has been defined in the SIT for messages in a particular language, or it is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language, in which case the message is sent to the console in English). If the default language module is missing no messages can be delivered.

Terminals can have messages in the default language or in another chosen language. If the chosen language module is missing, terminal messages use the default language instead.

**System action:** If the missing module is not the default language module, CICS uses the default language for messages.

If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified terminate in the dump table).

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

**Module:** DFHMEDM

**Destination:** Console

---
DFHME0108 • DFHME0109

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated immediately, even if you have specified this in the dump table, unless the default language module is missing, (even if you have specified `terminate` in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

**User response:** This error could have occurred because of a problem in a library or in the SIT. If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

It is also possible that an incorrect or misspelled language code has been used in the SIT. In this case, you have to bring CICS down, reinstall your chosen language code as a system initialization parameter, and restart CICS.

If you no longer need this language module, you should remove it from the SIT at the next convenient opportunity.

If the default language module is missing, CICS is terminated by the domain manager. You need to discover whether the fault is in the library or the SIT and follow the appropriate procedure above.

If the missing module is called CJDMCT1x (where x is 'E', 'K' or 'C') then the SEYUAUTH dataset must be added to the CICS region’s STEPLIB concatenation.

The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

If the default language is missing, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

**Module:** DFHMEIN

**Destination:** Console

---

DFHME0109 `applid` Message set `setname` could not be found in module `modname` while producing message `msgno`.

**Explanation:** Message set `setname` was not found in the message language module `modname`.

The `setname` is the first two characters after the DFH in CICS messages (for example, LD or 21), which is followed by the message number.

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified `terminate` in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue to run without message number `msgno`.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Note that this message will appear after maintenance has been applied to the CICS message domain if there are older, pre-maintenance, versions of the DFHMETx1 message modules elsewhere in the STEPLIB concatenation.

If you have just applied maintenance and are encountering this message, check for, and remove, older versions of the message modules in the STEPLIB concatenation.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMEIN

**Destination:** Console
DFHME0110  applid Optional value nn is missing from insert ii for message msgno.

Explanation: Optional insert value nn was requested for insert ii on a call to the message domain but could not be found in the definition template for message msgno.

System action: CICS delivers the message with ??? in place of the insert ii as it cannot resolve which optional value has been requested for the insert.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message msgno.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEBU
Destination: Console

DFHME0112  applid Insert number ii is invalid for message msgno (code X'code').

Explanation: Insert ii, supplied on the call to the message (ME) domain, was invalid. For example, it may have been a decimal insert with a length greater than 4 bytes.

The code X'code' uniquely identifies the occurrence of the invalid insert.

System action: CICS delivers the message with ??? in place of the invalid insert ii.

An exception entry with code X'code' is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
**DFHME013 • DFHME0115**

**DFHME0113 applid Incorrect parameters used in call to DFHMEME for message msgno.**

**Explanation:** A call to the message (ME) domain for message msgno was made with an invalid combination of parameters.

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno being produced. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMEIN

**Destination:** Console

---

**DFHME0114 applid There are no destinations specified for message msgno**

**Explanation:** There was no destination destid specified in the message language module for message msgno. This error could occur if the message language module has been corrupted or is not at the correct release level.

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated even if you have specified terminate in the dump table.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno being produced. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMEIN

**Destination:** Console

---

**DFHME0115 applid modname Message module for language language not found. The default module modnameb is used.**

**Explanation:** The message language module modname for the national language language could not be found in the list of available modules. It is not found if a CICS program calls for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module may be unavailable because the LOAD for the appropriate message language module failed at initialization. In this case, there will have been an earlier message about the failed LOAD. Alternatively, the module may not be available because the language specified on the terminal definition, or userid definition, was not specified in the SIT or was specified incorrectly.

**System action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

All messages which should appear in language language in module modname appear in the system default language modnameb instead.

**User response:** Your action depends on whether the use of the default language for messages is acceptable or not. If it is acceptable, you can delay taking any action until a convenient time. This may entail changing a terminal or userid definition if that is the cause of the problem.

If the use of the default language is not acceptable, and if module modname failed to load at initialization, take the action described for the appropriate message about a failed LOAD issued during start-up.

Otherwise, bring CICS down and specify module modname in the SIT or respecify the list of language modules as an override parameter, and restart CICS.

**Module:** DFHMEIN
### DFHME0116  •  DFHME0119

#### DFHME0116

**applid** *(Module:modname)* CICS symptom string for message *msgno* is *symstring*

**Explanation:** Message *msgno* has been issued as the result of a possible CICS error.

Symptom string *symstring* has been produced to provide additional diagnostic information for IBM support.

**System action:** This message accompanies message *msgno* and has no effect on the system action. The system action is that stated in message *msgno*.

**User response:** Refer to the user response of message *msgno* which provides the necessary information to determine if the error is serious enough to be reported to IBM Support.

**Module:** DFHMEME

**Destination:** Console

#### DFHME0117

**applid** The Message User Exit point XMEOUT is unavailable for message *msgno*

**Explanation:** The message (ME) domain was unable to use the message user exit point 'XMEOUT' when it was processing message *msgno*. This is probably because it was invoked too early in CICS initialization. A response of KERNERROR has been returned to the message (ME) domain from the program which invokes the user exit, DFHAPEX.

**System action:** The message (ME) domain continues processing as this error is not severe. The message *msgno* which the message (ME) domain was trying to produce is not suppressed or rerouted but is issued to its original destination.

**User response:** This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

However, it is possible that the user exit invoking program DFHAPEX interface has been corrupted. DFHAPEX issues an exception trace entry to indicate that there is an error, but is not able to issue its own error message via the message (ME) domain as doing so would cause CICS to loop. In this case, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMEME

**Destination:** Console

#### DFHME0119

**applid Message msgno has an invalid** *(Destination) User Exit Message Identification) component*

**Explanation:** The message (ME) domain has encountered an invalid component in the definition of message *msgno* in the message language module. The message language module may have been corrupted or be at the wrong release level.

**System action:** The ME domain produces an exception trace entry and continues processing. No dump is taken.

**User response:** Ensure that you are using the correct level of the message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*. If you feel it is not important, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMEIN

**Destination:** Console
DFHME0120I  applid Message msgno has been rerouted to its original destination.

**Explanation:** The message domain user exit point XMEOUT has attempted to route message msgno to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can only be rerouted to a TD queue if its original destination has a TD queue.

**System action:** The message is rerouted to its original destination.

**User response:** None. For programming information about the XMEOUT user exit, see the CICS Customization Guide.

**Module:** DFHMEME

**XMEOUT Parameters:** applid, msgno

**Destination:** Console

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DFHME0121  applid The {first | second} attempt at formatting message msgno, TD queue queuename has failed - [Invalid DBCS format | Unknown error]

**Explanation:** The message (ME) domain was trying to produce message msgno (destined for transient data queue queuename). However, an invalid response has been returned from the message formatting routine, DFHMEFO. This error is probably due to invalid DBCS characters being found in either the message inserts or the message text. The message text is checked at definition time for mismatched shift-out and shift-in characters. However, adjacent shift-in and shift-out characters could appear in a message, for instance, if a double byte message insert has not been supplied correctly.

The message (ME) domain first tries to format the message into 128-byte segments. However, if the transient data queue has been defined with a different queue length, formatting is performed a second time using the new queue length. (Hence the reason for first or second attempts at formatting the message.)

**System action:** A dump is taken. The message domain does not issue the message being formatted. An exception trace entry is made by the formatting routine DFHMEFO.

**User response:** This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without the message msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMEME

**Destination:** Console

---

DFHME0122  applid The Message User Exit has returned invalid route code information for message number msgno

**Explanation:** The message user exit program has set an invalid route code as the destination of message msgno. Valid route codes are numbers 1 to 28 inclusive.

**System action:** The message (ME) domain ignores the invalid route code and defaults to the original destination defined for message msgno in the message language module.

**User response:** Check that your message user exit program sets valid route code information for message msgno.

**Module:** DFHMEME

**Destination:** Console

---

DFHME0123  applid The Message User Exit has returned invalid TD queue information for message number msgno

**Explanation:** The message user exit program has set an invalid queue name as the destination of the message msgno. Valid queue names consist of 4 alphanumeric characters.

**System action:** The message (ME) domain ignores the invalid queue name and defaults to the original destination defined for message msgno in the message language module.

**User response:** Check that your message user exit program sets valid queue name information for message msgno.

**Module:** DFHMEME

**Destination:** Console

---

DFHME0124  applid TD is unavailable for writing message msgno to TD queue queuename

**Explanation:** The message (ME) domain has tried to output message msgno to transient data queue queuename. However, transient data (TD) is not yet available. This situation may occur early in CICS initialization.

**System action:** If the message destination is CDBC, the message is rerouted to the console instead. If the message destination is any other TD queue, it is lost.

**User response:** The impact of this error may not be severe. For example, the error may only occur once, or you may decide to continue without message msgno. If
you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEME
Destination: Console

DFHME0125 applid The Message User Exit has returned an invalid return code rc for message msgno

Explanation: The message user exit has returned a return code rc which is neither 0 or 4 when it was processing message msgno. (A return code of 4 indicates that the message is to be suppressed.)

System action: The message (ME) domain continues processing as normal and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

User response: Check that your message user exit program is working properly, and that it is passing the correct return code back to the message (ME) domain.

Module: DFHMEME
Destination: Console

DFHME0126 applid Error in SYMREC invocation.

Return code in R15 = X’mmmm’, Reason code in R0 = X’nnnn’.

Explanation: While handling an error, CICS tried to write a symptom record to SYS1.LOGREC. However, a further problem was detected while attempting to invoke the SYMREC service.

Return code X’mmmm’ in register 15 and reason code X’nnnn’ in register 0 indicate the reason for the error. This may be one of the following:

• CICS has been prevented from writing the symptom record to SYS1.LOGREC by the ASREXIT MVS installation exit. In this case a system dump is not produced.
• There is an error in the SYMRBLD macro. (This is the macro CICS uses to build its symptom records.)
• CICS has supplied invalid data to be added to the symptom record.
• There is an error in the SYMREC service. Examples of possible problems include a storage error, or insufficient space in the LOGREC buffer.
• The SYMREC service is currently inoperative.

System action: Processing continues and a system dump may be produced.

An exception trace entry (pointid=X’0806’) is made in the trace table which contains the symptom record which CICS attempted to write.

DFHME0127 applid A severe error (code X’code’) has occurred in module modname.

Explanation: An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this error may not be critical, CICS is not terminated immediately, even if you have specified terminate in the dump table.

No symptom string is produced for this message because the error has occurred in a module concerned with symptom strings.

User response: Inform the system programmer. This message indicates a severe error in CICS code. However, the impact of this error should not be severe because the module DFHMEWS is not crucial to CICS functioning.

If the problem recurs, you will need further assistance.
DFHME0128 • DFHME0131

from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEWS
Destination: Console

---

**DFHME0128** applid Message msgno has an invalid route code.

**Explanation:** The routine which issues the console message was unable to do so as it encountered an invalid route code associated with message msgno. Valid route codes are numbers from 1 through 28.

This error could only happen if the route codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

**System action:** The message (ME) domain issues an exception trace entry. Message msgno is not issued.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEME
Destination: Console

---

**DFHME0129** applid Unable to format console message msgno as it contains invalid DBCS characters.

**Explanation:** The routine which attempted to format console message msgno was unable to do so as it was found to contain invalid double byte (DBCS) characters. For example, adjacent or unmatched pairs of shift-in and shift-out characters are invalid in a string of DBCS text.

This situation could occur if there are inserts in the message which contain, for example, a shift-out and a shift-in character with no double byte characters entered in between.

**System action:** The message (ME) domain continues processing but message msgno is not issued as it cannot be formatted. The message formatting routine, DFHMEFO, issues an exception trace entry. The routine which issues console messages, DFHSUWT, also issues an exception trace entry.

**User response:** Ensure that any double-byte information entered from a terminal which may be used as a message insert is entered correctly.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Module: DFHMEME
Destination: Console

---

**DFHME0130** applid Message msgno has an invalid descriptor code.

**Explanation:** The routine which issues the console message was unable to do so as it encountered an invalid descriptor code associated with message msgno. Valid descriptor codes are numbers 1 through 16.

This error could only happen if the descriptor codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

**System action:** The message (ME) domain issues an exception trace entry. Message msgno is not issued.

**User response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEME
Destination: Console

---

**DFHME0131** applid Unable to calculate length of message msgno due to message table corruption, code(code)

**Explanation:** The message (ME) domain could not calculate the length of the message msgno due to possible corruption of the message language module.

**System action:** A return code is sent to the caller of the message (ME) domain. The message msgno is not issued.

**User response:** Ensure that you are using the correct level of the message data module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEME
Destination: Console
### DFHME0132 aplid The User’s Message Exit program has failed while processing message msgno

**Explanation:** The user’s message exit program is either looping or has failed with a program check.

**System action:** The message (ME) domain continues processing and issues message msgno to its original destination. The user exit invoking program DFHAPEX issues an exception trace entry to indicate that the user’s message exit program has failed, but it cannot issue its own error message via the message (ME) domain as doing so would cause CICS to loop.

**User response:** Disable your message exit program and ensure it is working properly.

**Module:** DFHMEME  
**Destination:** Console

---

### DFHME0133 aplid Message msgno could not be found in module DFHMEMGT

**Explanation:** The message domain was trying to issue one of its own error messages to indicate that an error had occurred in the message domain. However, the message domain was unable to find the message it was attempting to issue in its own internal message table DFHMEMGT.

**System action:** An exception entry is made in the trace table by the message domain. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified `terminate` in the dump table.

**User response:** This message indicates an error in CICS code. However, its impact may not be severe.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMESR  
**Destination:** Console

---

### DFHME0134 aplid Message msgno has been truncated because it was too long.

**Explanation:** The message (ME) domain was trying to output message msgno, but truncated the message because it was too long. Message msgno is a conversational message to an operator which has exceeded the maximum size of 119 characters.

**System action:** The ME domain truncates the message to 119 bytes before issuing it. An exception trace entry is made and a dump taken, but processing continues.

**User response:** This message indicates that msgno has been incorrectly defined in the message table, or that the inserts supplied to the message have caused it to exceed the size limit imposed on conversational messages. If enough information can be obtained from the truncated message, the impact of this error may not be severe. If necessary, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHMEME  
**Destination:** Console

---

### DFHME0135 aplid The default language language specified in the SIT NATLANG parameter is invalid. It has been defaulted to E.

**Explanation:** The default language is the first character in the NATLANG system initialization parameter. The default language `language` is not in the list of valid CICS language suffixes.

**System action:** CICS continues with a default language of E (US English).

**User response:** If you do not want a default language of E, change the first character in the NATLANG system initialization parameter to another valid CICS language suffix. See the *CICS System Definition Guide* for a list of valid CICS language suffixes.

**Module:** DFHMEME  
**Destination:** Console

---

### DFHME0136 aplid Message msgno is missing from national language module modname. Searching the English message table for the message text.

**Explanation:** Message msgno cannot be issued in the specified language because the message was not found in the national language module `modname`.

This could be the result of a PTF containing message msgno not being applied to the module `modname`. In this case, the text of the missing message could be present in the English language message table DFHMET1E.

**System action:** An exception entry is made in the trace table. The message domain tries to find the message in the English language message table. If the message is not found in the English table either, message DFHME0108 is issued followed by a system dump.

**User response:** Run the MEU PTF update process to ensure that any new messages have been applied to your language table `modname`, and rebuild this table.
DFHME0137 • DFHME0141

See the CICS Operations and Utilities Guide for guidance on this.

If message DFHME0108 follows this message, there is an error in CICS code and you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEIN
Destination: Console

DFHME0137 applid Message msgno cannot be rerouted to a transient data destination by the message user exit XMEOUT.

Explanation: The message msgno cannot be rerouted to a transient data destination via XMEOUT because by doing so, CICS could get into a loop.

System action: An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination defined for message msgno in the message language module.

User response: Alter your message user exit program to avoid rerouting the message msgno to a transient data destination. The noreroute indicator is passed by the message domain to the exit so that the exit program can check whether or not it is valid to reroute a particular message.

Module: DFHMEME
Destination: Console

DFHME0138 Message msgno not issued by module because MVS WTO is short on storage

Explanation: The message msgno cannot be written to the console because MVS is short on storage and the MVS WTO has abended with either abend code 878, 80A or 804 while trying to issue the message. The message domain module which was attempting to issue the message is module.

System action: An exception trace entry is written by the message domain and a dump is taken for dumpcode ME0138. Message DFHME0138 is written out in message text part of the dump summary instead of being sent to the console in order to avoid causing another abend.

User response: Ensure you have enough storage for MVS or reduce the storage requirements of your CICS system below 16MB. Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. To increase the MVS region size you must terminate CICS and change the MVS JCL REGION parameter. For more information about how to do this, see the CICS Performance Guide.

Module: DFHMEME, DFHSUME
Destination: SYSPRINT

DFHME0139 applid (Module:modname) Message msgno has been suppressed by KILL processing.

Explanation: Message msgno has been suppressed for a task that is being killed.

System action: The attempt to kill the task continues.

User response: None

Module: DFHMEME
XMEOUT Parameters: applid, modname, msgno

Destination: Console

DFHME0140 applid CICSPlex SM messages cannot be issued because the English message table modname cannot be found.

Explanation: The message load module modname was not found in STEPLIB for the CICS job. This load module is required for CICSPlex SM messages.

System action: An exception entry is made in the CICS trace table. Message domain stops processing this message and returns a disaster response to CICSPlex SM which in turn cannot continue to issue messages because its message module has not been loaded.

User response: This error could have occurred because the CICSPlex SM authorized library, which contains the default message load module, is not in the JCL for the CICS job. Ensure that the correct library is included in the STEPLIB concatenation of the CICS JCL and restart your CICS.

Module: DFHMEME

Destination: Console

DFHME0141 Message msgno not issued by module because MVS WTOR is short on storage.

Explanation: The message msgno cannot be written to the console because MVS is short on storage and the MVS WTOR has abended with abend code D23 while trying to issue the message. The message domain module which was attempting to issue the message is module.

System action: An exception trace entry is written by the message domain and a dump is taken for dumpcode ME0141. Message DFHME0141 is written out in message text part of the dump summary instead of being sent to the console in order to avoid causing another abend.

User response: Ensure you have enough storage for MVS or reduce the storage requirements of your CICS.
system below 16 MB. Try decreasing the limits of the CICS dynamic storage areas (DSAs), DSALIM, or increasing the MVS region size. To increase the MVS region size you must terminate CICS and change the MVS JCL REGION parameter. For more information about how to do this, see the CICS Performance Guide.

Module: DFHMEME
Destination: SYSPRINT

DFHME0213 applid Incorrect parameters used in call to DFHME64 for message msgno.

Explanation: A call to the message (ME) domain for message msgno was made with a combination of parameters that is not valid.

System action: An exception entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated, even if you specified terminate in the dump table.

User response: Ensure that you load the correct message language module. That is, ensure that you specify the correct language in the NATLANG system initialization parameter and that the library concatenation that your CICS job accesses contains the correct message language module.

This message indicates a severe error in CICS code, but its impact might not be serious. For example, the error might occur only once, or you might decide to continue without message msgno.

If you are using a message table that was created by using the message editing utility, ensure that all relevant PTFs are correctly applied.

If the problem persists, contact your IBM Support Center. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHME64
Destination: Console

DFHME0217 applid The Message User Exit point XMEOUT is unavailable for message msgno.

Explanation: The message (ME) domain cannot use the message user exit point 'XMEOUT' when processing message msgno. The exit point was probably invoked too early in CICS initialization. The user exit service module, DFHAPEX, returns a response of KERNERROR to the message (ME) domain.

System action: This error is not severe, so the message (ME) domain continues processing. The message user exit does not suppress or reroute the message msgno. It is issued to the original destination defined for message msgno.

User response: No action required. You cannot suppress message msgno because the error has occurred too early in initialization.

Module: DFHME64
Destination: Console

DFHME0215 applid modname Message module for language language not found. The default module modnameb is used.

Explanation: Cannot find the message language module modname for the national language language in the list of available modules. A CICS program has called for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module might be unavailable because the LOAD for the appropriate message language module failed at initialization. In this situation, there will be an earlier message about the failed LOAD. Alternatively, the module might be unavailable because the language specified on the terminal or userid definition was not specified in the SIT or was specified incorrectly.

System action: An exception entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated, even if you specified terminate in the dump table.

All messages that should appear in language language in module modname appear in the system default language modnameb instead.

User response: Your action depends on whether it is acceptable to use the default language for messages. If it is acceptable, CICS can continue to run and you can resolve the problem at a convenient time. You might need to change a terminal or userid definition.

If it is not acceptable to use the default language, and if module modname failed to load at initialization, refer to the earlier message about the failed LOAD for the action to take.

Otherwise, bring CICS down and specify module modname in the SIT or respecify the list of language modules as an override parameter. Then restart CICS.

Module: DFHME64
Destination: Console

DFHME0218 applid An error has occurred when calling the Message User Exit for message msgno.

Explanation: The message (ME) domain has received an incorrect response from DFHAPEX, the program...
DFHME0220I • DFHME0232

Message DFHME0220I

applid Message msgno has been rerouted to its original destination.

Explanation: The message domain user exit point XMEOUT attempted to route message msgno to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can be rerouted to a TD queue only if its original destination was a TD queue.

System action: The message is rerouted to its original destination.

User response: No action required. For programming information about the XMEOUT user exit, see the CICS Customization Guide.

Module: DFHME64

Destination: Console

Message DFHME0222

applid The Message User Exit has returned invalid route code information for message number msgno.

Explanation: The message user exit program has set an invalid route code as the destination of message msgno. Valid route codes are numbers 1 to 28 inclusive.

System action: The message (ME) domain ignores the invalid route code and defaults to the original destination that is defined for message msgno in the message language module.

User response: Check that your message user exit program sets valid route code information for message msgno.

Module: DFHME64

Message DFHME0232

applid The User's Message Exit program has failed while processing message msgno.

Explanation: The user's message exit program is looping or has failed with a program check.

System action: The message (ME) domain continues processing and issues message msgno to its original destination. The user exit service module DFHAPEX issues an exception trace entry to indicate that the user's message exit program has failed. It does not issue its own error message through the message (ME) domain because this action would cause CICS to loop.

User response: Disable your message exit program and ensure that it works correctly.

Module: DFHME64

Message DFHME0233

applid The Message User Exit has returned invalid TD queue information for message number msgno.

Explanation: The message user exit program has set an invalid queue name as the destination of the message msgno. Valid queue names consist of 4 alphanumeric characters.

System action: The message (ME) domain ignores the invalid queue name and defaults to the original destination that is defined for message msgno in the message language module.

User response: Check that your message user exit program sets valid queue name information for message msgno.

Module: DFHME64

Message DFHME0235

applid The Message User Exit has returned an invalid return code rc for message msgno.

Explanation: The message user exit program has returned a return code rc that is not 0 or 4 when it processed message msgno. (A return code of 4 indicates that the message should be suppressed.)

System action: The message (ME) domain continues processing and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

User response: Check that your message user exit program is working properly, and that it passes the correct return code back to the message (ME) domain.

Module: DFHME64

Destination: Console
**DFHME0237** applid Message msgno cannot be rerouted to a transient data destination by the message user exit XMEOUT.

**Explanation:** The message msgno cannot be rerouted to a transient data destination by using the user exit point XMEOUT because this might cause CICS to loop.

**System action:** An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination that is defined for message msgno in the message language module.

**User response:** Alter your message user exit program so that the message msgno is not rerouted to a transient data destination. The message domain passes the noreroute indicator to the exit so that the exit program can check whether it is valid to reroute a particular message.

**Module:** DFHME64

**Destination:** Console

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**DFHME0240** applid CICSPlex SM messages cannot be issued because the English message table modname cannot be found.

**Explanation:** The message load module modname was not found in STEPLIB for the CICS job. This load module is required for CICSPlex SM messages.

**System action:** An exception entry is made in the CICS trace table. Message domain stops processing this message and returns a disaster response to CICSPlex SM which in turn cannot continue to issue messages because its message module has not been loaded.

**User response:** This error could have occurred because the CICSPlex SM authorized library, which contains the default message load module, is not in the JCL for the CICS job. Ensure that the correct library is included in the STEPLIB concatenation of the CICS JCL and restart your CICS.

**Module:** DFHME64

**Destination:** Console

---

**DFHME0500** PLEASE ENTER A MESSAGE NUMBER.

**Explanation:** No search of the messages and codes file has been made because both the component ID and message number fields were blank when you pressed the ENTER key.

**System action:** The transaction redisplays the main menu with this message.

**User response:** Enter a valid message number or abend code.

**Module:** DFHMAC

**Destination:** Terminal End User

---

**DFHME0502** THE CMAC FILE IS DISABLED.

**Explanation:** The CMAC file is disabled for one of these reasons

- The file was initially defined as disabled and has not been enabled
- The file has been disabled by an EXEC CICS SET command or by the CEMT transaction.

**System action:** The transaction redisplays the main menu with this message.

**User response:** If the CMAC file was defined as disabled, use the CEMT transaction to enable the file. If the CMAC file has been disabled, determine the reason. It might have been disabled for maintenance or update.

**Module:** DFHMAC

**Destination:** Terminal End User

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**DFHME0503** THE CMAC FILE IS NOT DEFINED TO CICS.

**Explanation:** The CMAC file is not defined to CICS.

**System action:** The transaction redisplays the main menu with this message.

**User response:** Check that the CMAC file has been defined and installed. See the CICS Transaction Server for z/OS Installation Guide for guidance.

**Module:** DFHMAC

**Destination:** Terminal End User

---

**DFHME0504** RESOURCE SECURITY CHECK FAILED ON CMAC FILE.

**Explanation:** The resource security check has failed.

**System action:** The transaction redisplays the main menu with this message.

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Chapter 4. DFH messages - DFH01 to DFHM
DFHME0505 • DFHME9994I

**User response:** Ensure that the resource security class is correct.

**Module:** DFHCMAC

**Destination:** Terminal End User

DFHME0505 THE CMAC FILE IS CLOSED OR UNENABLED.

**Explanation:** One of the following has occurred

- The requested file is CLOSED and UNENABLED. The CLOSED, UNENABLED state is reached after a close request has been received against an OPEN ENABLED file and the file is no longer in use. This state can be specified as the initial state by defining a file using the RDO options STATUS = UNENABLED and OPENTIME = FIRSTREF.
- The requested file is OPEN and UNENABLED and in use by other transactions, but a close request against the file has been received.

**System action:** The transaction redisplays the main menu with this message.

**User response:** Use the CEMT transaction to ensure that the CMAC file is in the OPEN ENABLED state.

**Module:** DFHCMAC

**Destination:** Terminal End User

DFHME0506 REQUESTED MESSAGE NUMBER/ABEND CODE NOT FOUND

**Explanation:** The attempt to retrieve the specified message number or abend code has been unsuccessful.

**System action:** The transaction redisplays the main menu with this message.

**User response:** Ensure that the correct message number or abend code has been entered.

If no message numbers or abend codes appear to be valid, check that the correct DSName has been specified on the CMAC file definition.

**Module:** DFHCMAC

**Destination:** Terminal End User

DFHME0507 CHECK THAT THE CORRECT DSNAME IS BEING USED.

**Explanation:** An attempt to retrieve a record from the CMAC data set has been unsuccessful because the CMAC DSName is incorrectly specified.

**System action:** The transaction redisplays the main menu with this message.

**User response:** Ensure that the correct DSName has been specified on the CMAC file definition.

**Module:** DFHCMAC

**Destination:** Terminal End User
DFHME9996I  MESSAGE PARAMETER LIST
ERROR - CHECK PLIST

Explanation: The parameter list for the message generation process is not valid.

System action: CICS continues but the message in error cannot be issued.

User response: Ensure that the DFHMGT entry for the message has been built correctly.

Module: DFHMGP00
Destination: Terminal End User

DFHME9997I  MESSAGE FIND ERROR - CHECK THE MESSAGE MODULE

Explanation: The message being issued could not be found by the message generation process in the DFHMGT table entry for this message set.

System action: CICS continues but the message in error cannot be issued.

User response: Ensure that an entry exists for the message number in the appropriate DFHMGT tables.

Module: DFHMGP00
Destination: Terminal End User

DFHME9998I  MESSAGE NUMBERS GREATER THAN 9999 ARE INVALID

DFHMLnnnn messages

DFHML0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHML1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Chapter 4. DFH messages - DFH01 to DFHM 905
DFHML0002 • DFHML0101

Module: DFHMLDC, DFHMLPC, DFHMLTF, DFHMLXT

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

Destination: Console

DFHML0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMLDC, DFHMLST, DFHMLTF, DFHMLXT

XMEOUT Parameters: applid, X'code',modname

Destination: Console

DFHML0101 date time applid tranid Call to z/OS XML

System Services parser for function
function failed with return code
X'return_code' and reason code
X'reason_code' at data offset
X'error_offset'.

Explanation: A call has been made to the z/OS System Services parser for the function indicated in the message. The call has failed with the parser responding with the return code and reason code given in the message. The parser has indicated that problem was found within the XML data at offset error_offset.

System action: The attempt by CICS to parse a block of XML data has failed. An exception trace will have been issued. If this message is issued when a SOAP message is processed then a SOAP fault is returned to the client.

User response: Refer to the XML System Services User's Guide and Reference manual in the z/OS documentation to determine what the return and reason codes returned by the parser mean.

For example, if the return code is set to '4' and the reason code is set to '1301' then this implies a 'warning' because 'the end of the input buffer has been reached'. This in turn may indicate that then end of the XML block has been reached before an expected closing tag was found.

The application or process that generated the XML may have introduced an error. The z/OS System Services parser ensures that the input XML is well formed. If the XML is not well formed then that may cause this message to be issued. Review the XML to discover why it has been rejected.

Module: DFHMLPC

XMEOUT Parameters: date, time, applid, tranid, function, X'return_code', X'reason_code'

Destination: Console and Transient Data Queue CMLO

DFHML0100 date time applid tranid Call to z/OS XML

System Services parser for function
function failed with return code
X'return_code' and reason code
X'reason_code'.

Explanation: A call has been made to the z/OS System Services parser for the function indicated in the message. The call has failed with the parser responding with the return code and reason code given in the message. The parser has indicated that problem was found within the XML data at offset error_offset.

System action: The attempt by CICS to parse a block of XML data has failed. An exception trace will have been issued. If this message is issued when a SOAP message is processed then a SOAP fault is returned to the client.

User response: Refer to the XML System Services User's Guide and Reference manual in the z/OS documentation to determine what the return and reason codes returned by the parser mean.

For example, if the return code is set to '4' and the reason code is set to '1301' then this implies a 'warning' because 'the end of the input buffer has been reached'. This in turn may indicate that then end of the XML block has been reached before an expected closing tag was found.

The application or process that generated the XML may have introduced an error. The z/OS System Services parser ensures that the input XML is well formed. If the XML is not well formed then that may cause this message to be issued. Review the XML to discover why it has been rejected.
This in turn may indicate that the end of the XML block has been reached before an expected closing tag was found.

The application or process that generated the XML might have introduced an error. The z/OS System Services parser ensures that the input XML is well formed. If the XML is not well formed then that may cause this message to be issued. Review the XML to discover why it has been rejected.

Module: DFHMLPC

XMEOUT Parameters: date, time, applid, tranid, function, X’return_code’, X’reason_code’, X’error_offset’

Destination: Console and Transient Data Queue

DFHML0500  DFHML0504

DFHML0500  date time applid userid tranid
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name, (1=ENABLED, 2=DISABLED)

Destination: CMLO

Explanation: XMLTRANSFORM xmltransform_name has been added.

System action: The system continues normally.

User response: None.

Module: DFHMLXT

XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Destination: CMLO

DFHML0501  date time applid userid tranid
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Destination: CMLO

Explanation: XMLTRANSFORM xmltransform_name has been deleted.

System action: The system continues normally.

User response: None.

Module: DFHMLXT

XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Destination: CMLO

DFHML0502  date time applid userid tranid
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Explanation: XMLTRANSFORM xmltransform_name has changed state.

System action: The system continues normally.

User response: None.

Module: DFHMLXT

XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Destination: CMLO

DFHML0503  date time applid userid tranid
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Explanation: XMLTRANSFORM xmltransform_name was not created as another XMLTRANSFORM resource with the same name already exists in the CICS region.

System action: The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.

User response: Rename the XMLTRANSFORM resource and try again.

Module: DFHMLXT

XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Destination: CMLO

DFHML0504  date time applid userid tranid
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

Explanation: XMLTRANSFORM xmltransform_name cannot change states because it is not in an appropriate state.

System action: The system continues normally.

User response: An XMLTRANSFORM resource is placed in the PERMANENTLY_DISABLED state if there was a problem parsing its XSDBind file when the resource was first installed. It may be necessary to fix the problem with the XSDBind file and then reinstall the BUNDLE before the resource can be enabled.

Module: DFHMLXT

XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, (1=BUNDLE, 2=ATOMSERVICE), owner_name

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**DFHML0505 • DFHML0509**

3=DISABLING, 4=DISABLED, 5=DISCARDING, 6=PERMANENTLY DISABLED, 7=UNKNOWN

**Destination:** CMLO

DFHML0505  

`date` `time` `applid` `tranid`  
`XMLTRANSFORM` `xmltransform_name`  
for {BUNDLE | ATOMSERVICE}  
`owner_name` has an unsupported runtime level.

**Explanation:** XMLTRANSFORM `xmltransform_name` was not created as the runtime level indicated in its XSDBind file is not supported in this version of CICS.

**System action:** The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.

**User response:** Regenerate the XSDBind file at a supported runtime level.

**Module:** DFHMLXT  

**XMEOUT Parameters:** date, time, applid, tranid, xmltransform_name, {1=BUNDLE, 2=ATOMSERVICE}, owner_name

**Destination:** CMLO

DFHML0506  

`date` `time` `applid` `trannum`  
`XMLTRANSFORM` `xmltransform_name` cannot link to PROGRAM `program_name` because [the program abended | there is a problem with the resource definition | the program cannot be loaded | an unspecified problem occurred].

**Explanation:** XMLTRANSFORM `xmltransform_name` attempted to link to PROGTAM `program_name`. A problem occurred.

**System action:** The XML transformation is unable to continue and an INVREQ response is returned to the caller.

**User response:** Ensure that the specified program is available in the local CICS region and that an appropriate resource definition exists.

**Module:** DFHMLTF  

**XMEOUT Parameters:** date, time, applid, trannum, xmltransform_name, program_name, {1=the program abended, 2=there is a problem with the resource definition, 3=the program cannot be loaded, 4=an unspecified problem occurred}

**Destination:** CMLO

DFHML0507  

`date` `time` `applid` `trannum`  
`Validation of XML data for XMLTRANSFORM` `xmltransform_name` failed. The validation process returned the following message: 'message'.

**Explanation:** Validation was requested for XMLTRANSFORM `xmltransform_name`. The validation has been attempted and failed. Either the parsed XML does not match the XML schema, or the generated XML does not match the XML schema.

**System action:** An INVREQ is returned to the caller.

**User response:** Consider the detailed message. It will indicate the nature of the problem. Usually this will include a message from the XML parser used to do the validation and will indicate a rule that has been broken in the XML. If the problem is with XML parsed by CICS then change the originator of the XML to correct the problem. If the problem is with XML generated by CICS then determine if the problem can be fixed by changing the CICS application. If the problem is caused by CICS then contact your IBM support representative for further assistance.

If the message indicates that the XML schema document cannot be found then this may be because the XMLTRANSFORM resource does not indicate the 'XMLSCHEMA' to use.

**Module:** DFHMLTF  

**XMEOUT Parameters:** date, time, applid, trannum, xmltransform_name, message

**Destination:** CMLO

DFHML0508  

`date` `time` `applid` `trannum` Validation of XML data for XMLTRANSFORM `xmltransform_name` was successful.

**Explanation:** Validation was requested for XMLTRANSFORM `xmltransform_name`. The validation has been performed successfully.

**System action:** None.

**User response:** None.

**Module:** DFHMLTF  

**XMEOUT Parameters:** date, time, applid, trannum, xmltransform_name

**Destination:** CMLO

DFHML0509  

`date` `time` `applid` `tranid`  
`XMLTRANSFORM` `xmltransform_name` for {BUNDLE | ATOMSERVICE}  
`owner_name` cannot be installed as one or more invalid characters exist in the resource name.

**Explanation:** XMLTRANSFORM `xmltransform_name` was not created as the candidate resource name is invalid.

**System action:** The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.
User response: Rename the XMLTRANSFORM resource and try again.
Module: DFHMLXT
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, {1=BUNDLE, 2=ATOMSERVICE}, owner_name
Destination: CMLO

DFHML0510  date time applid userid tranid
XMLTRANSFORM xmltransform_name
for (BUNDLE | ATOMSERVICE)
owner_name is incompatible with the LOCALCCSID.

Explanation: XMLTRANSFORM xmltransform_name was not created as the associated XML binding is incompatible with the CCSID that is specified in the LOCALCCSID system initialization parameter. The XML binding was generated without specifying a CCSID and therefore the binding is processed as compatible with US EBCDIC. The LOCALCCSID value for this CICS region is not compatible with US EBCDIC.

System action: The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.
User response: Regenerate the XSDBind file specifying the correct value for the CCSID parameter in the XML assistant.
Module: DFHMLXT
XMEOUT Parameters: date, time, applid, userid, tranid, xmltransform_name, {1=BUNDLE, 2=ATOMSERVICE}, owner_name
Destination: CMLO
Module: DFHMLXT

DFHML0600  date time applid userid tranid
JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name has been added.

Explanation: JSONTRANSFRM jsontransfrm_name has been created.
System action: The system continues normally.
User response: None.
Module: DFHMLJS
XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name
Destination: CMLO

DFHML0603  date time applid userid tranid
JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name cannot be installed as a duplicate JSONTRANSFRM resource with the same name already exists.

Explanation: JSONTRANSFRM jsontransfrm_name was not created as another JSONTRANSFRM resource with the same name already exists in the CICS region.
System action: The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.
User response: Rename the JSONTRANSFRM resource and try again.
Module: DFHMLJS
XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name
Destination: CMLO
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JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name cannot be
because it is in the {ENABLING | ENABLED | DISABLING | ENABLED | DISCARDING | PERMANENTLY
DISABLED | Unknown} state.

Explanation: JSONTRANSFRM jsontransfrm_name cannot change states because it is not in an appropriate state.

System action: The system continues normally.

User response: A JSONTRANSFRM resource is placed in the PERMANENTLY_DISABLED state if there was a problem parsing its JSBind file when the resource was first installed. It may be necessary to fix the problem with the JSBind file and then reinstall the BUNDLE before the resource can be enabled.

Module: DFHMLJS

XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name

Destination: CMLO

DFHML0605 date time applid userid tranid
JSONTRANSFRM jsontransfrm_name has an unsupported runtime level.

Explanation: JSONTRANSFRM jsontransfrm_name was not created as the runtime level indicated in its JSBind file is not supported in this version of CICS.

System action: The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.

User response: Regenerate the JSBind file at a supported runtime level.

Module: DFHMLJS

XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name

Destination: CMLO

DFHML0609 date time applid userid tranid
JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name cannot be installed as one or more invalid characters exist in the resource name.

Explanation: JSONTRANSFRM jsontransfrm_name was not created as the candidate resource name is invalid.

System action: The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.

User response: Rename the JSONTRANSFRM resource and try again.

Module: DFHMLJS

XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name

Destination: CMLO

DFHML0610 date time applid userid tranid
JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name is incompatible with the LOCALCCSID.

Explanation: JSONTRANSFRM jsontransfrm_name was not created as the associated XML binding is incompatible with the CCSID that is specified in the LOCALCCSID system initialization parameter. The JSON binding was generated without specifying a CCSID and therefore the binding is processed as compatible with US EBCDIC. The LOCALCCSID value for this CICS region is not compatible with US EBCDIC.

System action: The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.

User response: Regenerate the JSBind file specifying the correct value for the CCSID parameter in the JSON assistant.

Module: DFHMLJS

XMEOUT Parameters: date, time, applid, userid, tranid, jsontransfrm_name, owner_name

Destination: CMLO

DFHMMNnnnn messages

DFHMMN0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abend or program check has occurred in module modname. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action: An exception entry is made in the trace table. A system dump is taken, unless you have
specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If module modname is not crucial to the running of your CICS system, you have the option to continue to run and to bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMNXM

XMEOUT Parameters: applid, X’code’, modname

Destination: Console

DFHMN0002 applid A severe error (code X’code’) has occurred in module modname.

Explanation: An error has been detected in module modname. The code X’code’ is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module module you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMNXM

XMEOUT Parameters: applid, X’code’, modname

Destination: Console

DFHMN0003 applid Insufficient storage to satisfy Getmain (code X’code’) in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

System action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you cannot run without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS
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Performance Guide for further information on CICS storage.

**Module:** DFHMNDM, DFHMNMN, DFHMNST, DFHMNXM

**XMEOUT Parameters:** applid, X'code', modname

**Destination:** Console

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DFHMN0004 applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMNDM, DFHMNMN, DFHMNST, DFHMNXM

---

DFHMN0101 applid SMF error - SMF return code X'rc'.

**Explanation:** The monitoring domain authorized services routine issued a SMFEWTM macro to write a record to the MVS system management facilities (SMF) data set and encountered a non-zero return code.

**System action:** The request is ignored and the SMF record is lost. An exception entry is made in the trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

**User response:** Consult the z/OS MVS System Management Facilities Guide for details on SMF return codes.
Management Facilities (SMF) manual for a detailed explanation of the return codes.

**Module**: DFHMNSU  
**XMEOUT Parameters**: applid, X’rc’  
**Destination**: Console

**DFHMN0103I** applid Monitoring control table for suffix ‘xx’ not found.

**Explanation**: The monitoring control table for suffix xx could not be found in the library described by the DFHRPL DD statement. This suffix is specified as a system initialization parameter.

**System action**: Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter is specified. The operator may enter another suffix or continue with system initialization.

If initialization continues without an override, monitoring domain uses the default monitoring control table.

**User response**: There are three likely causes of this error
- The monitoring control table is not in the library.
- The monitoring control table name has been misspelled.
- An incorrect suffix has been used at startup.

Ensure that the suffix specified is correct and that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table.

If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.

If the suffix is incorrect and PARMERR=IGNORE is specified, the monitoring domain uses the default monitoring control table.

If the monitoring control table is missing or misspelled and you want to reinstall it, CICS has to be terminated. Reassemble the monitoring control table into the relevant library.

**Module**: DFHMNDM  
**XMEOUT Parameters**: applid, xx  
**Destination**: Console

**DFHMN0105I** applid Using default Monitoring Control Table.

**Explanation**: The monitoring domain is initializing with default monitoring control table settings. This occurs
1. If the user has specified MCT=NO, or 2. Following message DFHMN0104, or 3. After message DFHMN0103 or DFHMN0106 has been issued, but no corrective action has been taken.

**System action**: System initialization continues.

**User response**: None.

**Module**: DFHMNDM  
**XMEOUT Parameter**: applid  
**Destination**: Console

**DFHMN0106** applid Unable to read the catalog record for the Monitoring Domain.

**Explanation**: The monitoring domain has attempted to re-establish the status of the monitoring classes and the monitoring control table suffix under which it was running during the last execution of CICS. But it was unable to successfully read the record from the global catalog.

**System action**: An exception entry is made in the trace table.

System initialization continues with the supplied system initialization parameters.

Message DFHME0116 should be produced containing the symptom string for this problem.

**User response**: Investigate the cause of the error using any dump or other diagnostic messages which have
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been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there will be an exception trace entry in the trace table.

Module: DFHMNDM
XMEOUT Parameter: applid
Destination: Console

DFHMN0107 applid Unable to update the catalog record for the Monitoring Domain.

Explanation: The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

System action: An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116 should be produced containing the symptom string for this problem.

User response: Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

Module: DFHMNSU
XMEOUT Parameter: applid
Destination: Console

DFHMN0108I applid Using Monitoring Control Table suffix 'xx'.

Explanation: The monitoring control table with the suffix xx is used for this CICS run.

System action: Processing continues.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHMNDM
XMEOUT Parameters: applid, xx
Destination: Console

DFHMN0109I applid CICS Monitoring is active.

Explanation: The CICS monitoring facility is currently active for this run of CICS.

System action: Processing continues.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHMNDM
XMEOUT Parameter: applid
Destination: Console

DFHMN0110I applid CICS Monitoring is inactive.

Explanation: The CICS monitoring facility is currently inactive for this run of CICS.

System action: Processing continues.

User response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHMNDM
XMEOUT Parameter: applid
Destination: Console

DFHMN0112I date time applid CICS Monitoring compression status has been changed to \{NOCOMPRESS | COMPRESS\} by USERID userid.

Explanation: The CICS monitoring facility compression status has been changed by the userid userid as indicated by this informational message.

System action: Processing continues. If the compression status is COMPRESS, the monitoring data records written from now on will be compressed. If the compression status is NOCOMPRESS, the records will not be compressed.

User response: None.

Module: DFHMNSR
XMEOUT Parameters: date, time,applid, \{1=NOCOMPRESS, 2=COMPRESS\}, userid
Destination: CSMT

DFHMN0201S Invalid parameter. The equals sign is missing.

Explanation: A SYSIN parameter has been encountered that does not contain an equals sign. Equals signs are mandatory for every keyword supported by the monitoring dictionary utility.

System action: The job step is terminated with a return code of 12.

User response: Correct the SYSIN keyword that does not have an equals sign and resubmit the job. For
further guidance on the syntax of DFHMNDUP keywords, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0202S Invalid parameter. MCT incorrectly specified
Explanation: Following the equals sign of the MCT= keyword there must be a 2-character operand or a delimiter. Neither has been found. The 2-character operand is treated as the suffix for an MCT to load.
System action: The job step is terminated with a return code of 12.
User response: Correct the MCT= keyword with a valid operand or delimiter.

If you do not wish to have a dictionary record constructed from a particular MCT, you can use a default MCT image by specifying a blank or a comma after the equals sign, or by specifying MCT=NO. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0203S Invalid parameter. SYSID must be four characters or less.
Explanation: A SYSID of greater than 4 characters, or a SYSID keyword without an operand has been specified.
System action: The job step is terminated with a return code of 12.
User response: Specify a valid SYSID of up to 4 characters. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0204S Invalid parameter. GAPPLID must be eight characters or less.
Explanation: A generic APPLID (GAPPLID) of greater than 8 characters, or a GAPPLID keyword without an operand has been specified.
System action: The job step is terminated with a return code of 12.
User response: Specify a valid GAPPLID of up to 8 characters. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0205S Invalid parameter. SAPPLID must be eight characters or less.
Explanation: A specific APPLID (SAPPLID) of greater than 8 characters has been specified.
System action: The job step is terminated with a return code of 12.
User response: Specify a valid SAPPLID of up to 8 characters or allow the SAPPLID to default to the GAPPLID by not specifying SAPPLID. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0206S Invalid parameter. DATE must be of format yyddd or yyyyddd.
Explanation: The date has been specified incorrectly. There are three possible reasons for this
• The date specified is not in the correct format of yyddd or yyyyddd
• The date contains nonnumeric characters
• 'ddd' is not in the range 1 through 366.
System action: The job step is terminated with a return code of 12.
User response: Ensure that the date is in the format 'yyddd' or 'yyyyddd' and that the values are valid.

If you want DATE to default to the current date, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT

DFHMN0207S Invalid parameter. TIME must be of format hhmmss.
Explanation: The time has been specified incorrectly. There are three possible reasons for this
• More than 6 characters have been specified
• The value specified contains nonnumeric characters
• The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.
System action: The job step is terminated with a return code of 12.
User response: Ensure that the time specified is in the format 'hhmmss' and that the values are valid.

If you want TIME to default to the current time, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Module: DFHMNDUP
Destination: SYSPRINT
DFHMN0208S  Invalid parameter. Keyword is unknown.
Explanation:  A SYSIN parameter has been processed
and found to contain an unrecognized keyword.
System action:  The job step is terminated with a
return code of 12.
User response:  Rename the unrecognized keyword.
See the CICS Operations and Utilities Guide for a
complete list of supported keywords. Also, ensure that
there are no blanks preceding any of the keywords in
the SYSIN data set.
Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0209S  No SYSIN parameters have been specified.
Explanation:  There are no SYSIN parameters specified
in the JCL.
System action:  The job step is terminated with a
return code of 12.
User response:  Check the JCL for the existence of
SYSIN parameters. If SYSIN does not exist or has no
parameters, see the CICS Operations and Utilities Guide
for guidance on coding DFHMNDUP parameters.
Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0210S  applid Load for MCT has failed. MCT cannot be found. A dump will be provided.
Explanation:  DFHMNDUP attempted to load 'DFHMCTxx' from STEPLIB, where 'xx' is the suffix provided via the MCT= keyword. This MCT was not found in the STEPLIB concatenation.
System action:  The job step is abandoned with a dump.
User response:  Ensure that the MCT suffix is correct and that the library that contains it is in the STEPLIB concatenation for the job step.
Module:  DFHMNDUP
Destination:  Console

DFHMN0211S  Getmain storage for control blocks has failed.
Explanation:  An MVS GETMAIN for the utilities
global storage has failed. There is not enough MVS
storage below the line available in the region.
System action:  The job step is terminated with a
return code of 12.
User response:  Increase the REGION= parameter of
your JCL and try again. If this fails, consult your MVS
system programmer.
Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0212S  Getmain storage for output record has failed.
Explanation:  An MVS GETMAIN for the 32KB record
buffer storage has failed. There is not enough MVS
storage below the line available in the region.
System action:  The job step is terminated with a
return code of 12.
User response:  Increase the REGION= parameter of
your JCL and try again. If this fails, consult your MVS
system programmer.
Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0213S  The MVS TIME macro has failed. There is a clock error.
Explanation:  Because DATE and/or TIME have not
been specified, DFHMNDUP has attempted to retrieve
the current DATE and/or TIME from MVS using the
TIME macro. The TIME macro has reported that the
MVS clocks are damaged.
System action:  The job step is terminated with a
return code of 12.
User response:  Inform your MVS system programmer
of the failure.
Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0214S  Invalid parameter. Missing delimiter detected.
Explanation:  DFHMNDUP parameter syntax requires
keyword/operand pairs to be separated by a delimiter in
the form of a comma or a blank space. A delimiter
has been found missing from a keyword/operand.
System action:  The job step is terminated with a
return code of 12.
User response:  If the SYSIN data set has been coded
such that there are multiple parameters on one line,
then ensure that there is one blank or one comma
between each parameter. If the SYSIN data set has been
coded such that there is only one parameter on a line,
ensure that it is terminated with a blank or a comma.
For further guidance on the syntax of DFHMNDUP
parameters, see the CICS Operations and Utilities Guide.
Module:  DFHMNDUP
Destination:  SYSPRINT
DFHMN0215S  Mandatory SYSIN parameter(s) missing.

Explanation:  The two mandatory parameters are for the generic APPLID (GAPPLID) and the MVS system identifier (SYSID). These two parameters have not been specified and there are no defaults.

System action:  The job step is terminated with a return code of 12.

User response:  Specify the following
- the generic APPLID of the CICS system that DFHMNDUP is going to produce a dictionary record for
- the MVS system identifier for the MVS system that produced the monitoring performance class records you are going to process.

For further guidance on the syntax of DFHMNDUP parameters, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0216S  Invalid parameter. JOBNAME must be eight characters or less.

Explanation:  A JOBNAME has been specified with more than eight characters.

System action:  The job step is terminated with a return code of 12.

User response:  Specify a valid JOBNAME of up to eight characters. For further guidance, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0217S  Invalid parameter. JOBDATE must be of format yyddd or yyyyddd.

Explanation:  The JOBDATE parameter has been specified incorrectly. There are three possible reasons for this
- The date specified is not in the correct format of yyddd or yyyyddd
- Nonnumeric characters have been specified
- The number of days 'ddd' is not in the range 1 through 366.

System action:  The job step is terminated with a return code of 12.

User response:  Ensure that JOBDATE consists of valid characters in the format 'yyddd'.

If you want JOBDATE to default to the current date, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0218S  Invalid parameter. JOBTIME must be of format hhmmss.

Explanation:  The JOBTIME parameter has been specified incorrectly. There are three possible reasons for this
- More than six characters have been specified
- Nonnumeric characters have been specified
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System action:  The job step is terminated with a return code of 12.

User response:  Ensure that JOBTIME consists of valid characters in the format 'hhmmss'.

If you want JOBTIME to default to the current time, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0219S  Invalid parameter. USERID must be eight characters or less.

Explanation:  A USERID has been specified with more than eight characters.

System action:  The job step is terminated with a return code of 12.

User response:  Specify a valid USERID of up to eight characters. For further guidance, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  SYSPRINT

DFHMN0220  DFHMNDUP CANNOT OPEN THE SYSPRINT FILE.

Explanation:  The SYSPRINT file cannot be opened because the SYSPRINT DD statement is missing or incorrectly defined.

System action:  The job step is terminated with a return code of 12.

User response:  Ensure that the SYSPRINT DD statement has been correctly defined. For further guidance, see the CICS Operations and Utilities Guide.

Module:  DFHMNDUP
Destination:  Console
DFHMN0221 • DFHMQ0104 E

DFHMN0221  DFHMNDUP CANNOT OPEN THE SYSIN FILE.

Explanation: The SYSIN file cannot be opened because the SYSIN DD statement is missing or incorrectly defined.

System action: The job step is terminated with a return code of 12.

DFHMQ0100 E  date time applid Cannot retrieve data from a START command.
 EIBFN=X’eibfn’  EIBRESP=eibresp
 EIBRESP2=eibresp2.

Explanation: CKTI has attempted to retrieve data from a CICS START command, but the retrieve is unsuccessful.

System action: CKTI ends.

User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Use the data contained in these fields to resolve the problem, and retry.

Module: DFHMQTSK

XMEOUT Parameters: date, time,applid, X’eibfn’, eibresp, eibresp2

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0101 E  date time applid Cannot open the initiation queue. MQCC=mqcc
 MQRC=mqrc.

Explanation: CKTI has attempted to open an initiation queue, but the attempt is unsuccessful (for example, because the queue is not defined). mqcc and mqrc give the reason for the problem.

System action: CKTI ends.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mqrc, and use CKQC to restart CKTI.

Module: DFHMQTSK

XMEOUT Parameters: date, time,applid, mqcc, mqrc

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0102 E  date time applid Cannot start the CICS transaction tran-id. EIBFN=X’eibfn’
 EIBRESP=eibresp  EIBRESP2=eibresp2.

Explanation: A trigger message has been retrieved from the initiation queue which defines a CICS transaction to be started. However the transaction cannot be started (for example, it cannot be found).

System action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

User response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

Module: DFHMQTSK

XMEOUT Parameters: date, time,applid, tran-id, X’eibfn’, eibresp, eibresp2

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0103 E  date time applid CKTI has read a trigger message with an incorrect MQTM-StrucId of struc-id.

Explanation: A trigger message has been retrieved, but the structure identifier of the message is not MQTM_STRUC_ID and so is not compatible with this version of DFHMQTSK.

System action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

User response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

Module: DFHMQTSK

XMEOUT Parameters: date, time,applid, struc-id

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0104 E  date time applid CKTI does not support version version-id.

Explanation: A trigger message has been retrieved, but the version identifier in MQTM is not version 1 and so is not compatible with this version of DFHMQTSK.

System action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

User response: Check the header of the message on
the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, version-id

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0105 E** *date time applid CKTI cannot start a process type of process-type.*

**Explanation:** A trigger message has been retrieved, but the process type in MQTM is not CICS and so cannot be processed by this version of DFHMQTSK.

**System action:** The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**User response:** Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, process-type

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0106D** *date time applid MQGET failure. CKTI will end. MQCC= mqcc MQRC= mqrc.*

**Explanation:** An attempt to issue an MQGET call on the initiation queue has been unsuccessful.

**System action:** CKTI ends.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mqrc, and use CKQC to restart CKTI.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0107 I** *date time applid A request to end CKTI has been received. CKTI ended.*

**Explanation:** A request to end CKTI has been sent from the CICS-MQ adapter. This is a normal completion of CKTI.

**System action:** CKTI ends.

**User response:** None.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0108D** *date time applid Unexpected invocation. CKTI terminated.*

**Explanation:** An attempt has been made to start CKTI, but not from CKCN or CKSQ. This is not allowed.

**System action:** CKTI ends.

**User response:** Start CKTI from either CKCN or CKSQ.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0109D** *date time applid MQCLOSE failed. MQCC= mqcc MQRC= mqrc.*

**Explanation:** An attempt has been made to close a queue, but the MQCLOSE call was unsuccessful. This message is followed by message DFHMQ0110 indicating the name of the queue.

**System action:** An implicit close of the queue will take place when the transaction ends.

**User response:** Check the console for messages in the range DFHMQ0100D through DFHMQ0109D for further information, or use CICS operator commands (for example CEMT INQ TASK) to determine why the CKTI started earlier is not running. If the earlier CKTI has terminated, issue STOP CKTI specifying the same Initiation Queue Name. This will resolve the pending start and allow the reissue of START CKTI for the same Initiation Queue Name.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0110 I** *date time applid Queue name = q-name.*

**Explanation:** This message is issued to indicate the queue in error if an operation on a queue (for example, an MQOPEN) is unsuccessful. The accompanying messages indicate the cause of the problem.

**System action:** Processing continues.

**User response:** Refer to earlier messages.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, q-name

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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DFHMQ0111D  date time applid  CKTI has read a trigger message with an incorrect length of length.

Explanation: This message is issued if the transaction CKTI receives a trigger message that does not match the MQTM control block.

System action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

User response: Look at the message on the dead-letter queue to establish why it did not match the MQTM.

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid, length
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0112D  date time applid  MQOPEN error.
MQCC=mqcc MQRC=mrqc.

Explanation: An MQOPEN call has been unable to open a queue. This message is followed by message DFHMQ0110 indicating the name of the queue.

System action: CKTI ends.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mrqc to determine why a MQOPEN call could not be made on the queue.

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid, mqcc, mrqc
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0113 I  date time applid  This message cannot be processed.

Explanation: When an attempt to process a message using a MQ API call is unsuccessful, an attempt is made to put the message on the dead-letter queue. This is also unsuccessful and the message-id is sent to the system console.

System action: Processing continues.

User response: Check the console for previous messages explaining why the dead-letter queue was not available (if a dead-letter queue has not been defined, no other messages relating to the problem will have been issued).

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0114D  date time applid  MQINQ failed.
MQCC=mqcc MQRC=mrqc.

Explanation: An attempt to use the MQINQ call to inquire about the attributes of a queue is unsuccessful. This message is followed by message DFHMQ0110 indicating the name of the queue.

System action: CKTI ends.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mrqc to determine why a MQINQ call could not be made on the queue.

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid, mqcc, mrqc
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0116D  date time applid  Cannot open the queue manager. MQCC=mqcc MQRC=mrqc.

Explanation: An MQOPEN call to the queue manager is unsuccessful.

System action: CKTI ends.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mrqc to determine the cause of the problem.

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid, mqcc, mrqc
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0117D  date time applid  Cannot query the queue manager. MQCC=mqcc MQRC=mrqc.

Explanation: An MQINQ call to the queue manager is unsuccessful.

System action: CKTI ends.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mrqc to determine the cause of the problem.

Module: DFHMQTSK
XMEOUT Parameters: date, time, applid, mqcc, mrqc
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0118 I  date time applid  MsgID=X'msg-id'.

Explanation: This message follows message DFHMQ0113, indicating the hexadecimal identifier of the message that could not be processed.
**DFHMQ019D**  date time applid  CICS detected an IRC failure. Cannot start transaction tran-id.

**Explanation:** A trigger message is retrieved from the initiation queue which defines a CICS transaction to be started, and the transaction is defined to run in a remote CICS region. The EXEC CICS START request for this transaction ends abnormally because of a failure in the IRC connection between the local and remote CICS regions.

**System action:** The trigger message is sent to the dead-letter queue, and CKTI continues processing the next message.

**User response:** Investigate the reason for the IRC failure.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, tran-id

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0120D**  date time applid  MQPUT failed.

**Explanation:** An attempt is made to put a message on a queue with a MQPUT call, but the attempt is unsuccessful. This message is followed by message DFHMQ0110 indicating the name of the queue.

**System action:** CKTI ends.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc and mqrc to determine why a MQPUT call could not be made for the queue.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid, tran-id

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0119D**  date time applid  No dead-letter queue defined for queue manager.

**Explanation:** A dead-letter queue has not been defined for the queue manager.

**System action:** The trigger message is discarded, and the process cannot be started.

**User response:** Define a dead-letter queue if one is required.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0123D**  date time applid  The dead-letter queue is not of type local.

**Explanation:** The dead-letter queue defined is not of type local. This message is followed by message DFHMQ0110 indicating the name of the queue.

**System action:** The message is not put to the dead-letter queue.

**User response:** Define the dead-letter queue as a local queue.

**Module:** DFHMQTSK

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0110I**  date time applid  The name of the queue is....
DFHMQ0209 E \textbullet\ DFHMQ0220 E

CMQM and Terminal End User

DFHMQ0209 E \textit{date time applid Unable to INQUIRE on MQCONN. EIBFN=\textit{X'eibfn'}}
\textit{EIBRESP=eibresp} \textit{EIBRESP2=eibresp2}
\textit{EIBRCODE=X'eibrcode'}.  

\textbf{Explanation:} An attempt to inquire on the MQCONN definition is unsuccessful.  
\textbf{System action:} The connection process is terminated, and control returns to CICS.  
\textbf{User response:} The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Determine the reason for the problem, and use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.  
\textbf{Module:} DFHMQPUL  
\textbf{XMEOUT Parameters:} date, time,applid, \textit{X'eibfn'}, \textit{eibresp}, \textit{eibresp2}, \textit{X'eibrcode'}.  
\textbf{Destination:} Console and Transient Data Queue  
CMQM and Terminal End User

DFHMQ0218 W \textit{date time applid Obsolete INITPARM for program DFHMQPRM detected. All DFHMQPRM INITPARM values are ignored.}  

\textbf{Explanation:} DFHMQQCN attempts to connect to WebSphere MQ, but has detected an obsolete INITPARM for program DFHMQPRM in the system initialization table (SIT) (or the SIT override INITPARM statement).  
\textbf{System action:} The connection process continues. The INITPARM settings are ignored and values are taken instead from the installed MQCONN definition.  
\textbf{User response:} Remove the DFHMQPRM keyword and its values from the INITPARM statement in the SIT or the SIT override.  
\textbf{Module:} DFHMQQCN, DFHMQPUL  
\textbf{XMEOUT Parameters:} date, time,applid  
\textbf{Destination:} Console and Transient Data Queue  
CMQM and Terminal End User

DFHMQ0220 E \textit{date time applid Unable to LINK to program DFHMQCON. EIBFN=\textit{X'eibfn'}}
\textit{EIBRESP=eibresp} \textit{EIBRESP2=eibresp2}
\textit{EIBRCODE=X'eibrcode'}.  

\textbf{Explanation:} An attempt to link to DFHMQCON is unsuccessful.  
\textbf{System action:} The connection process is terminated and control returns to CICS.  
\textbf{User response:} The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.  
\textbf{Module:} DFHMQQCN  
\textbf{XMEOUT Parameters:} date, time,applid, \textit{X'eibfn'}, \textit{eibresp}, \textit{eibresp2}, \textit{X'eibrcode'}.  
\textbf{Destination:} Console and Transient Data Queue  
CMQM and Terminal End User

DFHMQ0211 E \textit{date time applid Unable to LINK to program DFHMQPRM. EIBFN=\textit{X'eibfn'}}
\textit{EIBRESP=eibresp} \textit{EIBRESP2=eibresp2}
\textit{EIBRCODE=X'eibrcode'}.  

\textbf{Explanation:} An attempt to link to DFHMQPRM is unsuccessful.  
\textbf{System action:} The connection process is terminated, and control returns to CICS.  
\textbf{User response:} The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.  
\textbf{Module:} DFHMQQCN  
\textbf{XMEOUT Parameters:} date, time,applid, \textit{X'eibfn'}, \textit{eibresp}, \textit{eibresp2}, \textit{X'eibrcode'}.  
\textbf{Destination:} Console and Transient Data Queue  
CMQM and Terminal End User
**DFHMQ0221 E** date time applid Unable to INQUIRE SYSTEM CICSSTATUS. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.

**Explanation:** An attempt to issue EXEC CICS INQUIRE SYSTEM CICSSTATUS is unsuccessful.

**System action:** The connection process is terminated and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS System Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

**Module:** DFHMQQCN

**XMEOUT Parameters:** date, time, applid, ’X’eibfn’, eibresp, eibresp2, ’X’eibrcode’

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

**DFHMQ0223 E** date time applid Unable to LINK to program DFHMQQCN. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.

**Explanation:** An attempt to link to DFHMQQCN is unsuccessful.

**System action:** The connection process is terminated and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS System Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to make the connection.

**Module:** DFHMQMON

**XMEOUT Parameters:** date, time, applid, ’X’eibfn’, eibresp, eibresp2, ’X’eibrcode’

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

**DFHMQ0230 E** date time applid Unable to receive input. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.

**Explanation:** The CICS adapter is unable to receive input from the CKQC transaction.

**System action:** The requested function is not performed.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action. DFHMQCTL

**XMEOUT Parameters:** date, time, applid, ’X’eibfn’, eibresp, eibresp2, ’X’eibrcode’

**DFHMQ0232 E** date time applid Unable to RETURN TRANSID tran-id IMMEDIATE. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.

**Explanation:** An attempt is made to issue an EXEC CICS RETURN TRANSID tran-id IMMEDIATE command, but it is unsuccessful.

**System action:** The function terminates and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and reissue the command.

**Module:** DFHMQRET

**XMEOUT Parameters:** date, time, applid, tran-id, ’X’eibfn’, eibresp, eibresp2, ’X’eibrcode’

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

**DFHMQ0233 E** date time applid Unrecognizable screen. Re-submit CKQC.

**Explanation:** CICS cannot determine the identifier of the screen currently displayed. Because of this, it cannot interpret the screen contents (including any input fields).

**System action:** Resubmit CKQC to restart from the beginning of the CICS transaction. If this problem occurs frequently, contact your IBM support center.

**User response:** None.

**Module:** DFHMQBAS, DFHMQPOP

**Destination:** Terminal End User

**DFHMQ0236 E** date time applid Display functions only supported using panel interface.

**Explanation:** The display function is requested; this function can only be used from the CICS-MQ adapter control panels (the CKQC transaction).

**System action:** The request is ignored.

**User response:** Use the CICS-MQ adapter control panels to access the display functions.

**Module:** DFHMQCTL, DFHMQDIS

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM
DFHMQ0237 E  date time applid Panel interface not supported on console.

Explanation: The CICS-MQ adapter control panels (the CKQC transaction) are not supported on the console.

System action: The panel request is ignored.

User response: Use a 3270 device to display the CICS-MQ adapter control panels.

Module: DFHMQCTL

XMEOUT Parameters: date, time,applid

Destination: Console and Transient Data Queue CMQM

DFHMQ0239 E  date time applid Unable to LINK to program DFHMQBAS. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.

Explanation: CKQC could not display the panel because it could not link to DFHMQBAS.

System action: CKQC ends.

User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and retry the operation.

Module: DFHMQCTL

XMEOUT Parameters: date, time,applid, ’X’eibfn’, ’eibresp’, ’eibresp2’, ’X’eibrcode’

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0240 I  date time applid Task not associated with a terminal. Request rejected.

Explanation: The request is issued by a task that is not associated with a terminal. This is not allowed.

System action: The request is ignored.

User response: Reissue the request from a task that has a 3270 device or console associated with it.

Module: DFHMQDIS,DFHMQDSC, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

XMEOUT Parameters: date, time,applid

Destination: Console and Transient Data Queue CMQM

DFHMQ0242 E  date time applid Invalid input. Connect rejected.

Explanation: A connection request is issued with incorrect parameters specified.

System action: The request is ignored.

User response: Use the CICS-MQ adapter control panels (the CKQC transaction) to request the function, or check the request syntax in the CICS Integration for WebSphere MQ Guide and enter it again.

Module: DFHMQQCN

XMEOUT Parameters: date, time,applid

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0243 D  date time applid Unsupported terminal type. Must be a console or 3270 device.

Explanation: A request is made by a task that is not associated with a console or 3270 device.

System action: The request is ignored.

User response: Reissue the request from a task that has a 3270 device or console associated with it.

Module: DFHMQDIS, DFHMQDSC, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

XMEOUT Parameters: date, time,applid

Destination: Console and Transient Data Queue CMQM

DFHMQ0244 E  date time applid CICS is being quiesced. Connect rejected.

Explanation: An attempt is made to connect to WebSphere MQ but CICS is shutting down so the connection request has been rejected.

System action: The connection process terminates and control returns to CICS.

User response: None.
Module: DFHMQQQCN
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM

DFHMQ0300 I date time applid Already connected to queue manager qmgr-name. Connect rejected.
Explanation: An attempt is made to connect to a queue manager but CICS is already connected to another queue manager, so the connection request has been rejected.
System action: The connection process terminates and control returns to CICS.
User response: To connect to the new queue manager shut down the current connection and reissue the connection request.

Module: DFHMQQQCN
XMEOUT Parameters: date, time, applid, qmgr-name
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0301 I date time applid API exit CSQCAPX found and will be used.
Explanation: The CICS API exit program CSQCAPX is activated.
System action: Processing continues normally.
User response: None.
Module: DFHMQQRS
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0302 E date time applid Unable to EXTRACT EXIT DFHMQTRU. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.
Explanation: An attempt to issue an EXEC CICS EXTRACT EXIT for the CICS-MQ TRUE DFHMQTRU command is unsuccessful.
System action: The function terminates and control returns to CICS.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.
Module: DFHMQQQCN
XMEOUT Parameters: date, time, applid, X’eibfn’, eibresp, eibresp2, X’eibrcode’
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0303 E date time applid tranid Module modname could not be found.
Explanation: During CICS-MQ adapter initialization, an attempt was made to locate and load the named module, but it was not found in any of the libraries accessible to MVS through MVS BLDL.
System action: CICS-MQ attachment facility initialization does not complete.
User response: Check the CICS JOBLIB/STEPLIB and ensure that the required WebSphere MQ SCSAUTH library is defined there. Alternatively, ensure that the required WebSphere MQ library is in the MVS linklist.
Module: DFHMQQQCN
XMEOUT Parameters: date, time, applid, tranid, modname
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0304 E date time applid Failed to ENABLE DFHMQTRU. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.
Explanation: An attempt to issue an EXEC CICS ENABLE DFHMQTRU command is unsuccessful during connect processing.
System action: The connection process terminates and control returns to CICS.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.
Module: DFHMQQQCN
XMEOUT Parameters: date, time, applid, X’eibfn’, eibresp, eibresp2, X’eibrcode’
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0305 E date time applid Unable to INQUIRE MAXTASKS. EIBFN=’X’eibfn’ EIBRESP=’eibresp’ EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’.
Explanation: An attempt to issue an EXEC CICS INQUIRE MAXTASKS command is unsuccessful.
System action: The connection process terminates, and control returns to CICS.
User response: The EIB fields contain information
about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0306 E**  *date time applid* Unable to START transaction CKTI. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.

**Explanation:** During the connection process, the CICS-MQ adapter is unable to start CKTI.

**System action:** The queue manager is connected, but CKTI is not started.

**User response:** Issue the CKQC transaction, and use the panels to start CKTI after the cause of the problem has been corrected.

The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQCON, DFHMQSSQ

**XMEOUT Parameters:** date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0307 I**  *date time applid* Successful connection to queue manager *qmgr-name* release verr | group *lqsg-name*

**Explanation:** The connection to queue manager *qmgr-name* is successful. The release of WebSphere MQ is verr. If this was a group attach then *lqsg-name* is shown.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, *qmgr-name*, verr, {1=, 2= group 1, *lqsg-name*}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0308 I**  *date time applid* MQNAME *id* is stopped. Connect request deferred.

**Explanation:** An attempt to connect to MQNAME *id* is unsuccessful. If *id* is the name of a queue manager, the queue manager is not active. If RESYNCRANGE(GROUPRESYNCRANGE) is specified, the *id* is the name of a queue-sharing group. All the queue managers in the queue-sharing group are inactive.

**System action:** CICS automatically connects when the queue manager becomes active, or a queue manager in the queue-sharing group becomes active.

**User response:** Check that you entered the correct name. You can either start the queue manager to connect automatically or disconnect and reconnect to another active queue manager.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, *id*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0309 E**  *date time applid* Unable to connect using MQNAME *id*. MQCC=*mqcc* MQRC=*mqrc*.

**Explanation:** An attempt to connect to WebSphere MQ using MQNAME *id* is unsuccessful. The *id* should be the name of a queue manager or the name of a queue-sharing group defined to this system.

**System action:** The connection process terminates and control returns to CICS.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about *mqcc* and *mqrc*, and take the appropriate action. For reason code 2298, MQRC_FUNCTION_NOT_SUPPORTED, a probable cause is that the RESYNCRANGE attribute of the MQCONN resource definition specifies GROUPRESYNCRANGE but the WebSphere MQ queue manager does not support the GROUP UR function.

**Module:** DFHMQCON, DFHMQTRU

**XMEOUT Parameters:** date, time, applid, *id*, *mqcc*, *mqrc*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0310 I**  *date time applid* Duplicate connect to queue manager *qmgr-name*. Connect rejected.

**Explanation:** An attempt to connect to a queue manager is unsuccessful because the queue manager is already connected.

**System action:** The connection process terminates and control returns to CICS.

**User response:** None.
DFHMQ0311 E  DFHMQ0315 E

Module:  DFHMQCON
XMEOUT Parameters:  date, time,applid, qmgr-name
Destination:  Console and Transient Data Queue
CMQM and Terminal End User

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DFHMQ0311 E  date time applid Unable to start alert
monitor CKAM.  EIBFN=X'eibfn'
EIBRESP=eibresp  EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation:  During the connection process, the
CICS-MQ adapter is unable to start the alert monitor
CKAM.

System action:  The queue manager is connected, but
CKAM is not started so the function of the CICS-MQ
adapter is restricted.

User response:  Without the alert monitor, the
CICS-MQ adapter is unable to perform the following
functions
•  It cannot handle a deferred connection
•  It cannot respond to a queue manager failure
•  It cannot perform a warm or immediate shutdown if
it needs to wait (that is, the last task carries out
shutdown)

It is recommended that you use CKQC to terminate the
connection using a forced shutdown of the CICS
adapter.

The EIB fields contain information about the cause of
the problem. See the CICS Application Programming
Reference manual for an explanation of these values,
and take the appropriate action.

Module:  DFHMQCON
XMEOUT Parameters:  date, time,applid, X'eibfn', eibresp,
eibresp2, X'eibrcode'
Destination:  Console and Transient Data Queue
CMQM and Terminal End User

---

DFHMQ0313 I  date time applid *UOWID=conn-
name.X'uow-id' is in doubt.

Explanation:  This message is issued at connection
time. The unit of work shown is in doubt. An asterisk
character preceding the unit-of-work identifier indicates
that the unit of work will not be resolved automatically.

System action:  The unit of work will be resolved by
the distributed queuing component when remote
queuing starts.

User response:  See the WebSphere MQ for z/OS System
Administration Guide for information about resolving the
WebSphere MQ unit of recovery associated with the
in-doubt CICS unit of work.

Module:  DFHMQCON
XMEOUT Parameters:  date, time,applid, conn-name,
X'uow-id'
Destination:  Console and Transient Data Queue
CMQM and Terminal End User

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DFHMQ0314 I  date time applid UOWIDs highlighted
with * will not be automatically
resolved.

Explanation:  This message appears when there are
unresolved in-doubt units of work. Refer to message
DFHMQ0313I.

System action:  None.
User response:  None.

Module:  DFHMQCON
XMEOUT Parameters:  date, time,applid
Destination:  Console and Transient Data Queue
CMQM and Terminal End User

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DFHMQ0315 E  date time applid Unable to LOAD API
exit CSQCAPX.  EIBFN=X'eibfn'
EIBRESP=eibresp  EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation:  The CICS-MQ adapter is unable to use
the API-crossing exit program CSQCAPX. This can be a
normal situation if you do not intend to use the
API-crossing exit, and have disabled the program
CSQCAPX.

System action:  The API-crossing exit is not used.
User response:  The EIB fields contain information
about the cause of the problem. See the CICS
DFHMQ0316 I • DFHMQ0321 I

Application Programming Reference manual for an explanation of these values. If you are trying to use the API-crossing exit, use the data contained in these fields to resolve the problem.

**Module:** DFHMQCON, DFHMQRS

**XMEOUT Parameters:** date, time,applid, X'eibfn’, eibresp, eibresp2, X'eibrcode'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0316 I date time applid More messages. Check console for full display.**

**Explanation:** This message is displayed if too many messages have been issued to be displayed on the screen.

**System action:** Processing continues normally.

**User response:** Check the console for further messages.

**Module:** DFHMQDIS, DFHMQDSC, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

**XMEOUT Parameters:** date, time,applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0317 date time applid CICS-MQ command is invalid. No MQCONN is installed.**

**Explanation:** A CICS-MQ start, stop, display or reset has been issued but no MQCONN definition is installed.

**System action:** The command is not executed.

**User response:** Install the necessary MQCONN and then retry the command.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time,applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0318 I date time applid UOWID=conn-name,X‘uow-id’ created by Transid transid Taskid taskid is in doubt.**

**Explanation:** This message is issued at connection time. The unit of work shown is in doubt.

**System action:** The units of work will be resolved via resynchronization with CICS.

**User response:** See the WebSphere MQ for z/OS System Administration Guide for information about resolving the WebSphere MQ unit of recovery associated with the in-doubt CICS unit of work.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time,applid, conn-name, X‘uow-id’,transid, taskid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0319 E date time applid Unable to INQUIRE SYSTEM RELEASE. EIBFN=X‘eibfn’ EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X‘eibrcode’.

**Explanation:** An attempt to issue an EXEC CICS INQUIRE SYSTEM RELEASE command is unsuccessful.

**System action:** The connection process terminates and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time,applid, X'eibfn’, eibresp, eibresp2, X'eibrcode'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0320 I date time applid The CICS-MQ Adapter cannot find MQNAME id.**

**Explanation:** The CICS-MQ adapter failed to connect because the MQNAME id was not found. The id is not the name of a queue manager nor the name of a queue sharing group defined to this system.

**System action:** The CICS-MQ attachment facility is inactive.

**User response:** Change the MQNAME parameter on the MQCONN definition to specify a valid queue manager name or name of a queue sharing group.

None.

**Module:** XMEOUT Parameters: date, time,applid, id

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0321 I date time applid There is no active connection. Stop connection rejected.**

**Explanation:** An attempt is made to shut down a connection but there is no connection active. This could be caused by one of the following

- A connection had not been made
- The connection had already been shut down
- The connection is still being made (that is, it is pending)
**System action:** The request is ignored, and control returns to CICS.

**User response:** None.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0322D** date time applid Invalid input. Stop connection rejected.

**Explanation:** A request to shut down the CICS-MQ adapter is made, but it is rejected because the syntax of the shutdown request is not valid.

**System action:** The request is ignored.

**User response:** Issue the request again. See the CICS Integration with WebSphere MQ guide for details of the correct syntax.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0323 I** date time applid command received from TERMID=termid TRANID=tranid USERID=userid.

**Explanation:** The request to connect or disconnect is received from terminal termid. The originating transaction is tranid (this could be CKAM). userid is the user ID of the operator who used the terminal to initiate the operation. This message is also issued on the console for audit trail purposes.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQQCN, DFHMQDSC

**XMEOUT Parameters:** date, time, applid, command, tranid, userid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0324 I** date time applid All queue managers in queue sharing group qsg-name are inactive.

**Explanation:** An CICS-MQ group attach request to a queue manager in queue sharing group qsg-name failed because all queue managers in the group are inactive.

**System action:** The CICS-MQ Adapter proceeds to attempt connection to each queue manager in turn and connection will be made when a queue manager in the group becomes active on this system.

**Module:** DFHMQQCN

**XMEOUT Parameters:** date, time, applid, qsg-name

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0325 I** date time applid Call to CICS SVC for CICS-MQ function failed.

**Explanation:** The CICS-MQ Adapter issued a call to the CICS SVC during CICS-MQ group attach processing. The call to the CICS SVC failed.

**System action:** The CICS-MQ connection fails. The CICS-MQ Adapter will issue an exception trace and take a system dump.

**User response:** Ensure the correct level of CICS SVC DFHCSVC is in use. Changing the SVC requires an MVS IPL to activate it.

**Module:** DFHMQQCN

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0326 E** date time applid Connection status {Connecting | Pending | Connected | Quiescing | Stopping-Force | Disconnected | Inactive | Unknown} is not valid for command Command rejected.

**Explanation:** A request to shut down the CICS-MQ adapter is made, but it is rejected because a STOP FORCE shutdown has already been requested.

**System action:** The request is ignored.

**User response:** None.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid, command

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0327 I** date time applid Adapter shutdown completed.

**Explanation:** The CICS-MQ adapter is shut down. However, it is not able to disconnect from WebSphere MQ (for example, because the queue manager has already shut down).

**System action:** Processing continues normally.
**DFHMQ0332 I • DFHMQ0342 I**

**User response:** Look for other messages explaining why the CICS-MQ adapter could not disconnect from WebSphere MQ.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0332 I** *date time applid Queue manager qmgr-name is already stopped.*

MQCC=mqcc MQRC=mqrc.

**Explanation:** A request is made to shut down the CICS-MQ adapter, but the queue manager is already shut down. For example, the operator shuts down both the queue manager and the CICS-MQ adapter simultaneously. If the queue manager stops first, it cannot receive the disconnect request from the CICS adapter.

**System action:** The adapter shutdown process continues.

**User response:** If the queue manager is already shut down, you can ignore this message. Refer to the *WebSphere MQ for z/OS Messages* manual for information about `mqcc` and `mqrc`, and take the appropriate action.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid, qmgr-name, mqcc,mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0333 E** *date time applid Unable to disconnect from queue manager qmgr-name.*

MQCC=mqcc MQRC=mqrc.

**Explanation:** A request is made to disconnect from queue manager `qmgr-name` but it is unsuccessful.

**System action:** The adapter shutdown process continues.

**User response:** If the queue manager is already shut down, you can ignore this message. Refer to the *WebSphere MQ for z/OS Messages* manual for information about `mqcc` and `mqrc`, and take the appropriate action.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid, qmgr-name, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0334 I** *date time applid Adapter shutdown successful.*

**Explanation:** The shutdown process has completed successfully.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0336 I** *date time applid command received from a PLT program.*

**Explanation:** The command request is received from a PLT program.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQQCN

**XMEOUT Parameters:** date, time, applid, command

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0341 I** *date time applid shutdown-type requested by alert monitor CKAM.*

**Explanation:** The request to shut down the CICS-MQ adapter is issued by the alert monitor CKAM.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHMQDSC

**XMEOUT Parameters:** date, time, applid, shutdown-type

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0342 I** *date time applid request received from alert monitor.*

**Explanation:** Request `request` is received from the alert monitor (CKAM).

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQQCN

**XMEOUT Parameters:** date, time, applid, request

**Destination:** Console and Transient Data Queue CMQM
DFHMQ0343 E  

**Explanation:** An MQOPEN call for the queue manager object failed. The CICS-MQ adapter is opening the queue manager object to determine the release of WebSphere MQ.

**System action:** The connection continues without determining the WebSphere MQ release.

**User response:** See the WebSphere MQ for z/OS Messages for information about mqcc and mqrc, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

DFHMQ0344 E  

**Explanation:** An MQINQ call against the queue manager object failed. The CICS-MQ adapter is issuing the inquire to determine the release of WebSphere MQ.

**System action:** The connection continues without determining the WebSphere MQ release.

**User response:** See the WebSphere MQ for z/OS Messages for information about mqcc and mqrc, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

DFHMQ0345 E  

**Explanation:** An MQCLOSE call for the queue manager object failed. The CICS-MQ adapter is closing the queue manager object following an inquire to determine the release of WebSphere MQ.

**System action:** The connection continues.

**User response:** See the WebSphere MQ for z/OS Messages for information about mqcc and mqrc, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, mqcc, mqrc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

DFHMQ0350 I  

**Explanation:** The CICS_MQ adapter is unable to use the API-crossing exit program CSQCAPX because it cannot be found. This is a normal situation if you do not intend to use the API-crossing exit.

**System action:** Processing continues normally.

**User response:** None.

**Module:** DFHMQCON, DFHMQRS

**XMEOUT Parameters:** date, time,applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

DFHMQ0351 I  

**Explanation:** The connection to queue manager ssnm is successful. The CICS-MQ adapter is unable to use the API-crossing exit program CSQCAPX because it is disabled. This is a normal situation if you do not intend to use the API-crossing exit, and have therefore disabled the program CSQCAPX.

**System action:** The API-crossing exit is not used.

**User response:** If you wish to use the API-crossing exit
- Ensure that CSQCAPX is in the DFHRPL concatenation
- Issue the CICS command CEMT SET PROGRAM(CSQCAPX) NEWCOPY ENABLE
- Activate the exit using the Modify Connection option of the CKQC transaction

**Module:** DFHMQCON, DFHMQRS

**XMEOUT Parameters:** date, time,applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

DFHMQ0360D  

**Explanation:** An attempt to issue an EXEC CICS RETRIEVE RTRANSID is unsuccessful (for example, an unauthorized user has tried to start the alert monitor).

**System action:** Processing continues (including the alert monitor if one is already running).

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values.

**Module:** DFHMQMON
DFHMQ0361D  DFHMQ0366 E

XMEOUT Parameters: date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0361D  date time applid Unexpected invocation. Monitor terminated.
Explanation: An attempt is made to start the alert monitor by an unrecognized transaction.
System action: The request is ignored.
User response: None.
Module: DFHMQMON
XMEOUT Parameters: date, time, applid

DFHMQ0364 I  date time applid Monitor terminated normally.
Explanation: There are no remaining active or deferred connections, so the alert monitor has terminated.
System action: Processing continues.
User response: None.
Module: DFHMQMON
XMEOUT Parameters: date, time, applid

DFHMQ0362D  date time applid Unable to EXTRACT EXIT DFHMQTRU. Monitor terminated.
EIBFN=X'eibfn'  EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation: An attempt to issue an EXEC CICS EXTRACT EXIT command for the CICS-MQ TRUE DFHMQTRU is unsuccessful.
System action: The alert monitor terminates.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action (for example, use CKQC to restart the CICS-MQ adapter).
Module: DFHMQMON
XMEOUT Parameters: date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

DFHMQ0365 E  date time applid Unable to LINK to program DFHMQQCN. EIBFN=X'eibfn'  EIBRESP=eibresp  EIBRESP2=eibresp2  EIBRCODE=X'eibrcode'.

Explanation: The alert monitor has detected that a deferred connection has been activated, but it cannot link to DFHMQQCN.
System action: The connection process is terminated, and control returns to CICS.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to make the connection.
Module: DFHMQMON
XMEOUT Parameters: date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

DFHMQ0363D  date time applid Unable to perform WAIT EXTERNAL. Monitor terminated.
EIBFN=X'eibfn'  EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation: An attempt to perform an EXEC CICS WAIT EXTERNAL is unsuccessful.
System action: The alert monitor terminates.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.
Module: DFHMQMON
XMEOUT Parameters: date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

DFHMQ0366 E  date time applid Unable to LINK to program DFHMQDSC. EIBFN=X'eibfn'  EIBRESP=eibresp  EIBRESP2=eibresp2  EIBRCODE=X'eibrcode'.

Explanation: The alert monitor has detected that the CICS-MQ adapter is ready to shut down but cannot link to DFHMQDSC.
System action: The disconnection process continues and control returns to CICS.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.
Application Programming Reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to disconnect from WebSphere MQ.

**Module:** DFHMQMON

**XMEOUT Parameters:** date, time, applid, X'eibfn', eibresp, eibresp2, X'eibrcode'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0368 E  date time applid Invalid PEB type X'type' at location X'location'. PEB ignored.

**Explanation:** A pending event is not of the type expected by the alert monitor.

**System action:** The pending event is discarded.

**User response:** If this problem occurs frequently, collect the following diagnostic items, and contact your IBM support center
- A note of the values returned in the message
- Any trace information collected

**Module:** DFHMQMON

**XMEOUT Parameters:** date, time, applid, X'type', X'location'

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0369 E  date time applid More than 99 notify messages outstanding. This message is postponed temporarily.

**Explanation:** More than 99 pending events have been established. (For example, attempts have been made to connect to more than 99 systems that are not running.)

**System action:** The event is not processed until one of the other 99 events has expired.

**User response:** If you want to clean up the system, shut down and restart CICS.

**Module:** DFHMQMON

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0380 E  date time applid No active connection. [STARTCKTI | STOPCKTI | RESET | DISPLAY] rejected.

**Explanation:** An attempt to start or stop CKTI or to use the DISPLAY/RESET function, is unsuccessful because there is no active connection between CICS and WebSphere MQ.

**System action:** The request is ignored.

**Module:** DFHMQDIS, DFHMQDSL, DFHMQRS, DFHMQSSQ

**XMEOUT Parameters:** date, time, applid, {1=STARTCKTI, 2=STOPCKTI, 3=RESET, 4=DISPLAY}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0381D  date time applid No initiation queue name specified at connect time. [STARTCKTI | STOPCKTI] rejected.

**Explanation:** An attempt is made to start or stop CKTI using the default queue name, but the default queue name is not found. This is because the current connection does not have an initiation queue name associated with it.

**System action:** The request is ignored.

**User response:** Specify the queue name explicitly. If you require a default queue name, specify one when you perform the connection process.

**Module:** DFHMQSSQ

**XMEOUT Parameters:** date, time, applid, {1=STARTCKTI, 2=STOPCKTI}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0382D  date time applid CKTI with the same initiation queue name is being started. [STARTCKTI | STOPCKTI] rejected.

**Explanation:** An attempt is made to start CKTI specifying the name of an initiation queue that is used by another CKTI being started.

**System action:** The request is ignored.

**User response:** Review the console for messages in the range DFHMQ0100D through DFHMQ0109D for further information, or use CICS operator commands (for example CEMT INQ TASK) to determine why the CKTI started earlier is not running. If the review indicates the earlier CKTI has terminated:

1. Issue STOP CKTI specifying the same Initiation Queue Name to resolve the pending start.
2. Allow the reissue of START CKTI for the same Initiation Queue Name.

**Module:** DFHMQSSQ

**XMEOUT Parameters:** date, time, applid, {1=STARTCKTI, 2=STOPCKTI}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

Chapter 4. DFH messages - DFH01 to DFHM 933
Another CKTI with the same initiation queue name is still running. [STARTCKTI | STOPCKTI] rejected.

**Explanation:** An attempt is made to start CKTI specifying the name of an initiation queue that is already used by a CKTI which is still running.

**System action:** The request is ignored.

**User response:** If required, use the CICS-MQ adapter control panels (the CKQC transaction) to stop the existing CKTI, and restart.

**Module:** DFHMQSSQ

**XMEOUT Parameters:** date, time, applid, {1=STARTCKTI, 2=STOPCKTI}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

Another CKTI with the same initiation queue name is being stopped. [STARTCKTI | STOPCKTI] rejected.

**Explanation:** Either

- An attempt is made to start CKTI with an initiation queue name the same as the one that is currently being stopped, or
- An attempt was made to stop an initiation queue that is already in the process of stopping.

**System action:** The request is ignored.

**User response:** Wait until the initiation queue has stopped, and then reissue the start request if required.

**Module:** DFHMQSSQ

**XMEOUT Parameters:** date, time,applid, {1=STARTCKTI, 2=STOPCKTI}

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

CKTI not found. [STARTCKTI | STOPCKTI] rejected.

**Explanation:** An attempt to stop CKTI is unsuccessful because the queue name specified is not found. This is because either

- The name of the initiation queue is specified incorrectly, or
- The CKTI has already stopped

**System action:** The request is ignored.

**User response:** Verify the name of the initiation queue, and reissue the request if necessary.

**Module:** DFHMQSSQ

Invalid input. Start/Stop CKTI rejected.

**Explanation:** The syntax of the CICS adapter request entered is incorrect.

**System action:** The request is rejected.

**User response:** See the CICS Integration with WebSphere MQ Guide for details of the correct syntax, or use the CICS-MQ adapter control panels (the CKQC transaction) to request the function.

**Module:** DFHMQSSQ

**XMEOUT Parameters:** date, time,applid

Connection name X'uow-id'.

**Explanation:** This message gives the connection name and the identifier of a unit of work and appears with one of the following messages

- DFHMQ0402
- DFHMQ0403
- DFHMQ0404
- DFHMQ0405
- DFHMQ0406
- DFHMQ0407
You can use the connection name when using WebSphere MQ commands (for example, RESOLVE INDOUBT).

System action: Processing continues.
User response: See associated messages.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid, conn-name, X\'uw-id\'
Destination: Console and Transient Data Queue CMQM

DFHMQ0402 I  date time applid Resolved with COMMIT.
Explanation: The syncpoint coordinator has informed WebSphere MQ that the unit of work indicated by the accompanying DFHMQ0400 message has been committed.
System action: Processing continues.
User response: None.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM

DFHMQ0403 I  date time applid Resolved with BACKOUT.
Explanation: The syncpoint coordinator has informed WebSphere MQ that the unit of work indicated by the accompanying DFHMQ0400 message has been backed out.
System action: Processing continues.
User response: None.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM

DFHMQ0404 E  date time applid Resolve failed.
MQCC=mqcc MQRC=mqrc.
Explanation: The syncpoint coordinator requested that the unit of work indicated by the accompanying DFHMQ0400 message be committed or backed out. However, WebSphere MQ is unable to do this. mqcc gives the reason for the problem.
System action: The unit of work remains in doubt.
User response: Determine how to resolve the in-doubt unit of work. See the CICS Integration with WebSphere MQ Guide for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM

DFHMQ0405 E  date time applid Execute resolve failed.
MQCC=mqcc MQRC=mqrc.
Explanation: The syncpoint coordinator requested resolution of the units of work be executed. However, WebSphere MQ was unable to do this.
System action: The unit of work remains in doubt.
User response: See the WebSphere MQ for z/OS Messages for information about mqcc and mqrc, to determine the cause of the problem. See the CICS Integration with WebSphere MQ Guide for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid, mqcc, mqrc
Destination: Console and Transient Data Queue CMQM

DFHMQ0406 E  date time applid Cannot resolve, syncpoint disposition lost.
Explanation: The syncpoint coordinator has been subjected to an initial start, and information regarding units of work has been lost (syncpoint state UERTDGCS). The coordinator cannot inform the CICS-MQ adapter whether to commit or back out the unit of work indicated by the accompanying DFHMQ0400 message. For information about UERTDGCS, see the CICS Customization Guide.
System action: The unit of work remains in doubt.
User response: Determine how to resolve the in-doubt unit of work. See the CICS Integration with WebSphere MQ Guide for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.
Module: DFHMQTRU
XMEOUT Parameters: date, time, applid
Destination: Console and Transient Data Queue CMQM

DFHMQ0407 E  date time applid Cannot resolve, syncpoint disposition unknown.
Explanation: The syncpoint coordinator cannot find a decision about resolving the unit of work indicated by the accompanying DFHMQ0400 message (syncpoint...
state UERTDGNK. The coordinator cannot inform the CICS-MQ adapter whether to commit or back out the unit of work. For information about UERTDGNK, see the CICS Customization Guide.

**System action:** The unit of work remains in doubt.

**User response:** Determine how to resolve the in-doubt unit of work. See the CICS Integration with WebSphere MQ Guide for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0408**

**Explanation:** Only partial resynchronization achieved. Check above messages.

**System action:** Processing continues.

**User response:** Action any messages received before this one which indicate units of work that have not been resolved. When there are no more in-doubt units of work message DFHMQ0409 is issued.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0409**

**Explanation:** Resynchronization has completed successfully; all units of work have been resolved.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0410**

**Explanation:** Abending task ID task-id Abend Code abend-code.

**System action:** The referenced task is force purged by the operator and abends with shown abend code.

**User response:** None.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid, task-id, abend-code

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0411**

**Explanation:** CICS warm shutdown detected. Adapter is quiescing.

**System action:** The CICS-MQ adapter initiates a quiesced shutdown.

**User response:** See the CICS Integration with WebSphere MQ Guide for more information about CICS-MQ adapter shutdown.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0412**

**Explanation:** CICS abend detected. Adapter terminated.

**User response:** None.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0414**

**Explanation:** The CICS-MQ adapter detected a CICS abend.

**System action:** The CICS-MQ adapter is terminated.

**User response:** None.
**DFHMQ0415 I • DFHMQ0422 E**

**DFHMQ0415 I  date time applid  Task ID task-id will continue. Force purge ignored.**

**Explanation:** The referenced task is force purged by the operator.

**System action:** The outstanding task has been completed but, because it is in a must-commit state (for example, syncpoint), the CICS-MQ adapter does not end the task.

**User response:** None.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid, task-id

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0416 I  date time applid  Address X’address’ is out of range. Area of length length is not traced.**

**Explanation:** An address address passed from an application is out of range for one of the following reasons

- The address plus the length of the area to be traced exceeds the 2GB addressing limit
- The address is not within the private area storage of the CICS region as regarded by z/OS

Because of this, the CICS trace facility is unable to trace the area.

**System action:** Processing continues.

**User response:** If the address is in error, correct the application.

**Module:** DFHMQTRU

**XMEOUT Parameters:** date, time, applid, X’address’, length

**Destination:** Console and Transient Data Queue CMQM

---

**DFHMQ0418 E  date time applid Unable to LOAD program CSQAVICM. EIBFN=X’eibfn’ EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X’eibrcode’.**

**Explanation:** An attempt to load CSQAVICM is unsuccessful.

**System action:** The process terminates, and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values.

**Module:** DFHMQCON

---

**DFHMQ0419 I  applid  Tab cursor was not on a valid object.**

**Explanation:** The cursor is not in the correct position when the enter key is pressed.

**System action:** The input is ignored.

**User response:** Use the tab key to move the cursor to a valid position.

**Module:** DFHMQBAS

**Destination:** Terminal End User

---

**DFHMQ0420 E  date time applid Unable to send map map-id mapset DFHMQ1x. EIBFN=X’eibfn’ EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X’eibrcode’.**

**Explanation:** The program is unable to send map map-id from the map set DFHMQ1x to the screen.

**System action:** The task is terminated.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQBAS, DFHMQPO, DFHMQPU, DFHMQRET

**XMEOUT Parameters:** date, time, applid, map-id, mapset DFHMQ1x

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0421 I  applid  Tab cursor was not on a valid object.**

**Explanation:** The cursor is not in the correct position when the enter key is pressed.

**System action:** The input is ignored.

**User response:** Use the tab key to move the cursor to a valid position.

**Module:** DFHMQBAS

**Destination:** Terminal End User

---

**DFHMQ0422 E  date time applid Unable to RETURN TRANSID CKBM. EIBFN=X’eibfn’ EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X’eibrcode’.**

**Explanation:** An attempt is made to issue an EXEC CICS RETURN TRANSID CKBM command, but it is unsuccessful.

**System action:** The transaction terminates, and control returns to CICS.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQBAS, DFHMQPO, DFHMQPU, DFHMQRET

---

Chapter 4. DFH messages - DFH01 to DFHM 937
**Explanation:** An attempt to transfer control to program `prog-name` is unsuccessful.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQBAS

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**Explanation:** The action number specified is out of the range available.

**User response:** Specify an action number in the range displayed.

**Module:** DFHMQPUL

**Destination:** Terminal End User

---

**Explanation:** The task number specified is out of the range requested.

**User response:** Specify a task number in the range displayed.

**Module:** DFHMQPUL

**Destination:** Terminal End User

---

**Explanation:** An attempt is made to display a parameter window. There are no parameters for the function selected, so there is no parameter window to display.

**System action:** The request is ignored.

**User response:** None.

**Module:** DFHMQRET

**Destination:** Terminal End User

---

**Explanation:** The value entered was not 1, 2, or 3.

**User response:** Enter a value of 1, 2, or 3 on the pop-up screen.

**Module:** DFHMQPOP

**Destination:** Terminal End User
DFHMQ0434 E  date time applid Queue manager name missing. Must be entered.

Explanation:  The queue manager name is not specified on the connection parameter panel.

System action:  The connection request is rejected.

User response:  Enter the name of the required queue manager or Queue sharing group on the panel.

Module:  DFHMQPOP
Destination:  Terminal End User

DFHMQ0439 E  date time applid Invalid Stop option. Must be 1 or 2.

Explanation:  The shutdown option number is not a valid value.

System action:  The request is ignored.

User response:  Specify either 1 or 2.

Module:  DFHMQPOP
Destination:  Terminal End User

DFHMQ0440 E  date time applid Unable to send map map-id mapset DFHMQHx.
  EIBFN=X’eibfn’  EIBRESP=ebresp
  EIBRESP2=ebresp2  EIBRCODE=X’eibrcode’.

Explanation:  The program is unable to send map map-id from the map set DFHMQHx to the screen.

System action:  The task is terminated.

User response:  The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

Module:  DFHMQBS, DFHMQPOP, DFHMQPUL, DFHMQRET
XMEOUT Parameters:  date, time,applid, map-id, X’eibfn’, eibresp, eibresp2, X’eibrcode’
Destination:  Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0441 I  date time applid Status of connection to qmgr-name is {Connecting | Pending
  | Connected | Quiescing | Stopping-Force | Disconnected | Inactive | Unknown}. number tasks are in flight.

Explanation:  This message is issued as the reply to the CKQC DISPLAY request, and gives the status of the connection to queue manager qmgr-name and the number of tasks that are in-flight on that connection.

System action:  Processing continues.

User response:  None.

Module:  DFHMQDSL
XMEOUT Parameters:  date, time,applid, qmgr-name, 1=Connecting, 2=Pending, 3=Connected,
  4=Quiescing, 5=Stopping-Force, 6=Disconnected, 7=Inactive, 8=Unknown, number

Chapter 4. DFH messages - DFH01 to DFHM  939
DFHMQ0455 E  DFHMQ0480 E

Destination: CMQM and Terminal End User

DFHMQ0455 E  date time applid Unable to WRITEQ TS. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'. Queue name is q-name.

Explanation: An attempt to issue an EXEC CICS WRITEQ TS command is unsuccessful.

System action: The display function is terminated.

User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values, and take the appropriate action.

Module: DFHMQDIS

XMEOUT Parameters: date, time,applid

Destination: CMQM and Terminal End User

DFHMQ0460 I  applid Bottom of display.

Explanation: An attempt is made to scroll forward, but the bottom of the display has already been reached.

System action: Processing continues.

User response: None.

Module: DFHMQRET

Destination: Terminal End User

DFHMQ0461 I  applid Top of display.

Explanation: An attempt is made to scroll backward, but the top of the display has already been reached.

System action: Processing continues.

User response: None.

Module: DFHMQRET

DFHMQ0462 E  date time applid Invalid input. Request rejected.

Explanation: An attempt is made to issue the internal transaction CKRT by direct terminal input, or in an otherwise invalid way.

System action: The request is rejected.

User response: Do not use CKRT in this way.

Module: DFHMQRET

XMEOUT Parameters: date, time,applid

Destination: Terminal End User

DFHMQ0480 E  date time applid MQCC=mgcc MQRC=mrcc QRPL at X'qrpl-address' FRB at X'frb-address'.

Explanation: This message is issued prior to a CICS-MQ adapter dump if an unexpected error occurs.

System action: Processing continues.

User response: Refer to the dump.

Module: DFHMQTRU

XMEOUT Parameters: date, time,applid, mgcc, mrcc, X'qrpl-address', X'frb-address'

Destination: Console and Transient Data Queue CMQM
DFHMQ0481  date time applid Unexpected error.  
MQCC=mcqc MQRC=mqrc FRB at  
X'frb-address' .  

Explanation: This message is used as the title for a  
CICS-MQ adapter dump if an unexpected error occurs.  
frb-address is the address of the function request block.  

System action: None.  
User response: None.  
Module: DFHMQCON, DFHMQDSC  
XMEOUT Parameters: date, time,applid, mcqc, mqrc,  
X'frb-address'  
Destination: Console and Transient Data Queue  
CMQM and Terminal End User  

DFHMQ0500  [Connecting | Pending | Connected |  
Quiescing | Stopping-Force | Disconnected  
| Inactive | Unknown ]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

Module: DFHMQBR0  
XMEOUT Parameters: date, time,applid, tranid, trannum  
Destination: Console and Transient Data Queue  
CMQM and Terminal End User  

DFHMQ0501  [Initiation Queue Name: ]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

DFHMQ0502  [More - | More - | More +]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

DFHMQ0503  [Off | On | Yes | No ]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

DFHMQ0504  [In Queue | Msg Wait | Purged |  
Between | Running | Normal | Shutdown  
| Starting | Stopping]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  
Module: DFHMQBR0  
XMEOUT Parameters: date, time,applid, tranid, trannum,  
interval, auth-option, q-name  
Destination: Console and Transient Data Queue  
CMQM and Terminal End User  

DFHMQ0505  (Not specified at connect time)  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

DFHMQ0506  [Start Task Initiator | Stop Task Initiator ]  

Explanation: For IBM internal use.  
System action: None.  
User response: None.  

DFHMQ0700  I date time applid tranid trannum  
CICS-MQ Bridge initialization in  
progress.  

Explanation: Initialization of the CICS-MQ bridge is in  
progress.  
System action: Processing continues.  
User response: None.  
Module: DFHMQBR0  
XMEOUT Parameters: date, time,applid, tranid, trannum  
Destination: Console and Transient Data Queue  
CMQM and Terminal End User  

DFHMQ0702  I date time applid tranid trannum  
CICS-MQ bridge monitor initialization  
complete.  

Explanation: Bridge monitor initialization completed  
successfully.  
System action: Processing continues.  
User response: None.  
Module: DFHMQBR0  
XMEOUT Parameters: date, time,applid, tranid, trannum  
Destination: Console and Transient Data Queue  
CMQM and Terminal End User  

DFHMQ0703  I date time applid tranid trannum  
WaitInterval=interval, Auth=auth-option  
Q=q-name.  

Explanation: This confirms the bridge monitor start  
options. Although the WAIT parameter is supplied in  
seconds, Interval is shown in milliseconds; -1 implies  
WaitUnlimited.  
System action: Processing continues.  
User response: None.  
Module: DFHMQBR0  
XMEOUT Parameters: date, time,applid, tranid, trannum,  
interval, auth-option, q-name
DFHMQ0704 E  DFHMQ0713 I

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0704 E  date time applid tranid trannum
EIBRESP=eibresp EIBRESP2=eibresp2
returned for EXEC CICS call.
EIBFN=eibfn.

Explanation:  An error occurred in a CICS call issued
by the CICS-MQ bridge.

System action:  Processing continues.

User response:  The EIB fields contain information
about the cause of the problem. See the CICS
Application Programming Reference manual for an
explanation of these values.

Module:  DFHMQBP1, DFHMQBP2, DFHMQBR0,
DFHMQBR2

XMEOUT Parameters:  date, time, applid, tranid, trannum,
eibresp, eibresp2, eibfn

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0705 E  date time applid tranid trannum
Parameter at offset nn in input string is invalid.

Explanation:  The parameter at offset nn in the start
parameter string for the bridge monitor is invalid. The
incorrect parameter is shown in message DFHMQ0784.

System action:  Processing continues.

User response:  Correct the parameter and restart the
bridge monitor.

Module:  DFHMQBR0

XMEOUT Parameters:  date, time, applid, tranid, trannum,
nn
Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0707 I  date time applid tranid trannum
CICS-MQ Bridge is not supported on
non-z/OS platforms.

Explanation:  The bridge is being run on a platform
other than z/OS. This is not supported.

System action:  The bridge monitor terminates
abnormally.

User response:  None.

Module:  DFHMQBR0

XMEOUT Parameters:  date, time, applid, tranid, trannum

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0710 E  date time applid tranid trannum
MQCC=mcqcc MQRC=mcrc returned for
mq-call.

Explanation:  An error occurred in an MQ API call
issued by the CICS-MQ bridge.

System action:  Processing continues.

User response:  Refer to the WebSphere MQ for z/OS
Messages manual for information about mcqcc and mcrc.

Module:  DFHMQBP0, DFHMQBP2, DFHMQBR0,
DFHMQBR2

XMEOUT Parameters:  date, time, applid, tranid, trannum,
mcqcc, mcrc, mq-call

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0711 E  date time applid tranid trannum
Unable
to open bridge queue q-name.

Explanation:  The bridge queue specified is not known
to the queue manager.

System action:  The CICS-MQ bridge task terminates.

User response:  Check the bridge queue is defined
correctly and specified on the Q= parameter of the
bridge startup for CKBR.

Module:  DFHMQBR0

XMEOUT Parameters:  date, time, applid, tranid, trannum,
q-name

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0712 I  date time applid tranid trannum
CICS-MQ Bridge quiescing.

Explanation:  Quiesce of the CICS-MQ Bridge monitor
been initiated. This would normally be because CICS or
the queue manager is shutting down or because the
operator has set the bridge queue GET(DISABLED).

System action:  Processing continues.

User response:  None.

Module:  DFHMQBR0

XMEOUT Parameters:  date, time, applid, tranid, trannum

Destination:  Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0713 I  date time applid tranid trannum
CICS-MQ Bridge terminated normally.

Explanation:  The CICS-MQ Bridge monitor shutdown
completed normally.

System action:  Processing continues.

User response:  None.
**Module:** DFHMQBR0

**XMEOUT Parameters:** date, time, applid, tranid, trannum

**Destination:** Console and Transient Data Queue
CMQM and Terminal End User

---

**DFHMQ0714 I**  
`date time applid tranid trannum`

**CICS-MQ Bridge task starting.**

**Explanation:** The CICS-MQ Bridge monitor is starting.

**System action:** Processing continues.

**User response:** None.

**Module:** DFHMQBR0

**XMEOUT Parameters:** date, time, applid, tranid, trannum

**Destination:** Console and Transient Data Queue
CMQM and Terminal End User

---

**DFHMQ0715 E**  
`date time applid tranid trannum Invalid COMMAREA length length in message.`

**Explanation:** The COMMAREA length calculated by the bridge is not valid. It probably exceeds the maximum of 32767. This error can also occur if a negative length was calculated.

**System action:** The bridge task terminates abnormally.

**User response:** If OutputDataLength is set within the MQCIH, check it does not exceed 32759 (allowing 8 bytes for the program name). If it is not set, check the total request message length (also allowing 8 bytes for the program name). The length of any MQCIH must not exceed 32767. Note that the length of the MQCIH is taken from the MQCIH length field.

**Module:** DFHMQBP0

**XMEOUT Parameters:** date, time, applid, tranid, trannum, length

**Destination:** Console and Transient Data Queue
CMQM and Terminal End User

---

**DFHMQ0716 E**  
`date time applid tranid trannum MQCIH required for UOW middle and last messages.`

**Explanation:** A bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the message does not contain an MQCIH.

**System action:** The unit of work is backed out.

**User response:** Make sure that all messages within a multipart unit of work contain an MQCIH and rerun the unit of work.

**Module:** DFHMQBP0

**XMEOUT Parameters:** date, time, applid, tranid, trannum

**Destination:** Console and Transient Data Queue
CMQM and Terminal End User

---

**DFHMQ0720 E**  
`date time applid tranid trannum Authentication option IDENTIFY or VERIFY requires a security manager to be active.`

**Explanation:** An attempt has been made to start the bridge monitor with AUTH=IDENTIFY or VERIFY, but security is not active for the CICS system.

**System action:** The bridge monitor terminates.

**User response:** Activate security, or choose a different authentication option.

**Module:** DFHMQBR0

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Chapter 4. DFH messages - DFH01 to DFHM  943
DFHMQ0721 E • DFHMQ0730 I

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0721 E date time applid tranid trannum Invalid MQCIH.
Explanation: A message has been received by the bridge with an MQMD format field of MQFMT_CICS but the data does not begin with a valid MQCIH. Either the StrucId, Version, or StrucLength is incorrect.
System action: Processing continues.
User response: Check the version of the header and compare with the level supported by the bridge. Correct the format or the user data as appropriate.
Module: DFHMQBP0, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0724 E date time applid tranid trannum Bridge queue q-name is not defined as local.
Explanation: The bridge queue specified is not defined as a local queue.
System action: The CICS-MQ bridge task terminates.
User response: Redefine the bridge request queue as a local queue.
Module: DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, q-name
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0725 I date time applid tranid trannum Messages on bridge queue are not persistent by default.
Explanation: The bridge queue is defined with DEFPERSIST(NO). Request messages should be persistent to guarantee that they will be processed. The message is for information only.
System action: Processing continues.
User response: Change the queue definition if necessary.
Module: DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0726 I date time applid tranid trannum CICS-WebSphere MQ Bridge message incompatible with WebSphere MQ AMS configuration - Bridge terminated.
Explanation: WebSphere MQ Advanced Message Security is being used to protect WebSphere MQ queues, and when a CICS application attempted to access the queue, message DRQZS0209I reason 2063 was issued from WebSphere MQ AMS.
System action: CICS-WebSphere MQ bridge is terminated.
User response: Investigate WebSphere MQ AMS documentation for the cause of the 2063 reason code.
Module: DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0729 I date time applid tranid trannum No dead-letter queue defined to queue manager.
Explanation: There is no dead-letter queue defined to the queue manager. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.
System action: Processing continues.
User response: Alter the queue manager to define a dead-letter queue if dead-letter processing is required.
Module: DFHMQBR2

XMEOUT Parameters: date, time, applid, tranid, trannum, q-name
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0730 I date time applid tranid trannum Unable to open dead-letter queue. MQRC=mqrc.
Explanation: The dead-letter queue defined to the queue manager could not be opened. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.
System action: Processing continues.
User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqrc.
Module: DFHMQBR2

XMEOUT Parameters: date, time, applid, tranid, trannum, mqrc
Destination: Console and Transient Data Queue
CMQM and Terminal End User
**DFHMQ0731**

`date time applid tranid trannum` Unable to inquire on dead-letter queue, MQRC=\texttt{mqrc}.

**Explanation:** An MQINQ call on the dead-letter queue failed. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System action:** Processing continues.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about \texttt{mqcc}.

**Module:** DFHMQBR2

**XMEOUT Parameters:** `date, time, applid, tranid, trannum, mqrc`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0732**

`date time applid tranid trannum` Unable to put message to dead-letter queue, MQRC=\texttt{mqrc}.

**Explanation:** An MQPUT to the dead-letter queue failed.

**System action:** If this error occurs in a bridge task, the unit of work is backed out. If this error occurs in the bridge monitor, it will be abnormally terminated. The response message will be sent to the dead-letter queue.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about \texttt{mqcc}.

**Module:** DFHMQBP2, DFHMQBR2

**XMEOUT Parameters:** `date, time, applid, tranid, trannum, mqrc`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0733**

`date time applid tranid trannum` Dead-letter queue not defined with USAGE(NORMAL).

**Explanation:** The dead-letter queue is not defined correctly. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System action:** Processing continues.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about \texttt{mqcc}.

**Module:** DFHMQBR2

**XMEOUT Parameters:** `date, time, applid, tranid, trannum`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0734**

`date time applid tranid trannum` Dead-letter queue max message length \texttt{length} is too small.

**Explanation:** The maximum message length allowed for the dead-letter queue is less than the size of the dead-letter header, MQDLH. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System action:** Processing continues.

**User response:** Increase the MAXMSG of the dead-letter queue to at least the size of the MQDLH but, to be effective, make it large enough to hold the largest request message expected plus the MQDLH.

**Module:** DFHMQBR2

**XMEOUT Parameters:** `date, time, applid, tranid, trannum, length`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0735**

`date time applid tranid trannum` CICS or queue manager quiesced before bridge task started.

**Explanation:** The bridge task received a quiescing return code from an MQOPEN call for the request queue or an MQGET call for the first message within a unit of work.

**System action:** The request will be processed when CICS, the queue manager, or the CICS-MQ bridge monitor are restarted.

**User response:** Restart CICS, the queue manager or the bridge monitor.

**Module:** DFHMQBP0

**XMEOUT Parameters:** `date, time, applid, tranid, trannum`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0736**

`date time applid tranid trannum` Bridge quiesced before task started.

**Explanation:** The bridge quiesced before a bridge task could get the first message within a unit of work.

**System action:** The request will be processed when the bridge monitor is restarted.

**User response:** Restart the bridge monitor.

**Module:** DFHMQBP0

**XMEOUT Parameters:** `date, time, applid, tranid, trannum`

**Destination:** Console and Transient Data Queue CMQM and Terminal End User
DFHMQ0737 E  date time applid tranid trannum CICS or queue manager quiesced, bridge task backed out.

Explanation: The bridge task received a quiescing return code from an MQGET for a second or subsequent message within a unit of work.

System action: The unit of work is backed out and the bridge task terminated.

User response: Rerun the unit of work when one or both CICS and the queue manager are restarted.

Module: DFHMQBP0

XMEOUT Parameters: date, time, applid, tranid, trannum

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0748 E  date time applid tranid trannum CICS-MQ Bridge quiesced, task backed out.

Explanation: The bridge task quiesced while a bridge task was waiting to get a second or subsequent message within a unit of work because the queue was not enabled for getting messages.

System action: The unit of work is backed out and the bridge task terminated.

User response: Rerun the unit of work when one or both CICS and the queue manager are restarted.

Module: DFHMQBP0

XMEOUT Parameters: date, time, applid, tranid, trannum

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0739 E  date time applid tranid trannum Bridge terminated, timeout interval expired before middle or lastUOW message received.

Explanation: The bridge task did not receive a second or subsequent message for a unit of work within the wait interval specified (or as overridden on the first request for the unit of work) at bridge monitor startup.

System action: The bridge task terminates.

User response: Perform one of the following

• Increase the WAIT parameter on bridge monitor startup.
• Correct the program that failed to send a subsequent request for a unit of work.
• Set the UOWControl field correctly for the previous request.

Module: DFHMQBP0

XMEOUT Parameters: date, time, applid, tranid, trannum

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0745 E  date time applid tranid trannum Unable to put message to reply queue. MQRC=mrcc.

Explanation: An MQPUT call to the reply-to queue failed.

System action: The response message will be sent to the dead-letter queue.

User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mrcc.

Module: DFHMQBP0, DFHMQBP2, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, mrcc

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0746 E  date time applid tranid trannum Invalid CCSID. ccsid1 expected but ccsid2 received.

Explanation: A request message was received with an invalid value for the CCSID field in the MQMD.

System action: Processing continues.

User response: Correct the MQMD and reissue the request.

Module: DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, ccsid1, ccsid2

Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0747 E  date time applid tranid trannum Invalid encoding. encoding1 expected but encoding2 received.

Explanation: A request message was received with an invalid value for the encoding field in the MQMD.
**DFHM0748 E**  
*date applid tranid trannum*  
Message removed from the request queue during backout processing.

**Explanation:** The bridge has sent this request message to the dead-letter queue during backout processing.

**System action:** The task is backed out.

**User response:** See the associated messages to determine the cause of the problem.

**Module:** DFHMQBP0

**XMEOUT Parameters:** *date, time, applid, tranid, trannum, resp, resp2, user-id*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHM0749 E**  
*date applid tranid trannum*  
Authentication error. EIBRESP=resp EIBRESP2=resp2 Userid=user-id.

**Explanation:** The bridge monitor is being run with AUTH=VERIFY_UOW or AUTH=VERIFY_ALL. Validation of the userid failed.

**System action:** The task is terminated.

**User response:** Check that the correct user ID was specified, and that the appropriate authorizations are defined for it.

**Module:** DFHMQBP0, DFHMQBR0

**XMEOUT Parameters:** *date, time, applid, tranid, trannum, resp, resp2, user-id*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHM0750 E**  
*date applid tranid trannum*  
CICS-MQ Bridge internal error.

**Explanation:** An unexpected condition was detected by the bridge.

**System action:** The bridge monitor terminates abnormally.

**User response:** Contact your IBM support center if the problem persists.

**Module:** DFHMQBR0

**XMEOUT Parameters:** *date, time, applid, tranid, trannum*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHM0751 E**  
*date applid tranid trannum*  
EIBRESP=seibresp EIBRESP2=seibresp2  
Unable to LINK to program program-name.

**Explanation:** An EXEC CICS LINK command for the user requested program failed.

**System action:** The bridge task terminates abnormally.

**User response:** The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values.

**Module:** DFHMQBP0

**XMEOUT Parameters:** *date, time, applid, tranid, trannum, eibresp, eibresp2, program-name*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHM0753 E**  
*date applid tranid trannum*  
Message has been processed previously and returned to the queue using backout.

**Explanation:** The bridge already attempted to process this request but the request failed and was backed out. This could be because backout processing failed for a bridge task that ended abnormally or because there was a CICS failure while this request was in progress. No attempt is made to process the request a second time.

**System action:** Processing continues.

**User response:** Look at previous error messages for this message on the CSMT log to determine the cause for the previous failure, and rerun the request.

**Module:** DFHMQBP0

**XMEOUT Parameters:** *date, time, applid, tranid, trannum, resp, resp2, user-id*

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHM0754 E**  
*date applid tranid trannum*  
Bridge task abend abend-code in program program-name.

**Explanation:** A bridge task ended abnormally.

**System action:** The task is terminated.

**User response:** The associated transaction dump can be used to assist problem determination. Correct the problem and rerun the unit of work. If the program name begins with DFHMQB and the problem persists, contact your IBM support center.

**Module:** DFHMQBP1
DFHMQ0755 E  DFHMQ0760 I

XMEOUT Parameters: date, time, applid, tranid, trannum, abend-code, program-name
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0755 E date time applid tranid trannum Bridge queue is not shareable.
Explanation: The bridge request queue does not have the SHARE attribute.
System action: The bridge monitor terminates.
User response: Alter the queue definition and restart the bridge monitor.
Module: DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0756 E date time applid tranid trannum
Dead-letter queue not defined as local.
Explanation: The dead-letter queue is not defined as a local queue. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.
System action: Processing continues.
User response: Redefine the dead-letter queue as a local queue.
Module: DFHMQBR2

XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0757 E date time applid tranid trannum
Unable to open reply-to queue. MQRC=mqrc.
Explanation: The reply-to queue specified is not known to the queue manager.
System action: The response message will be sent to the dead-letter queue.
User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqrc.
Module: DFHMQBP0

XMEOUT Parameters: date, time, applid, tranid, trannum, mqrc
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0758 E date time applid tranid trannum
Unable to START bridge task. EIBRESP=eibresp
EIBRESP2=eibresp2. Userid userid is not authorized.
Explanation: The bridge monitor is being run with the IDENTIFY or VERIFY authorization option. An EXEC CICS START command for the bridge task failed with NOTAUTH or USERIDERR because the user ID is not authorized to start bridge transactions or has been revoked.
System action: Processing continues.
User response: The EIB fields contain information about the cause of the problem. See the CICS Application Programming Reference manual for an explanation of these values. Correct the security definitions if this userid should be authorized to run requests using the bridge.
Module: DFHMQBP0, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, eibresp, eibresp2, userid
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0759 E date time applid tranid trannum
Transaction transid is transid not defined to CICS.
Explanation: An request has been received to run the transaction listed but it is not defined to this CICS system.
System action: The bridge monitor terminates abnormally.
User response: Correct the request or define the transaction.
Module: DFHMQBP0, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, transid
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0760 I date time applid tranid trannum
MsgId=msgid.
Explanation: This message gives the identifier of a message to which a previous error message relates.
System action: Processing continues.
User response: See the associated message.
Module: DFHMQBR2

XMEOUT Parameters: date, time, applid, tranid, trannum, msgid
Destination: Console and Transient Data Queue
CMQM and Terminal End User
**DFHMQ0761 I** date time applid tranid trannum CorrelId=CorrelId.

**Explanation:** This message gives the correlation identifier of a message to which a previous error message relates.

**System action:** Processing continues.

**User response:** See the associated message.

**Module:** DFHMQBR2

**XMEOUT Parameters:** date, time, applid, tranid, trannum, CorrelId

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0762 I** date time applid tranid trannum Queue name=q-name.

**Explanation:** This message gives the name of the queue to which a previous error message relates.

**System action:** Processing continues.

**User response:** See associated message.

**Module:** DFHMQBR0, DFHMQBR2

**XMEOUT Parameters:** date, time, applid, tranid, trannum, q-name

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0763 I** date time applid tranid trannum Queue manager=queue-manager-name.

**Explanation:** This message gives the name of the queue manager to which a previous error message relates.

**System action:** Processing continues.

**User response:** See associated message.

**Module:** DFHMQBR2

**XMEOUT Parameters:** date, time, applid, tranid, trannum, queue-manager-name

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0764 E** date time applid tranid trannum Invalid userid. userid1 expected but userid2 received.

**Explanation:** A user ID is required in all request messages when AUTH=VERIFY_ALL is being used; this must be the same for all requests within a unit of work. This message is issued because the bridge task detected a missing or changed user ID.

**System action:** The bridge task terminates abnormally.

**User response:** Correct the user ID and rerun the unit of work.

**Module:** DFHMQBP0

**XMEOUT Parameters:** date, time, applid, tranid, trannum, userid1, userid2

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

---

**DFHMQ0765 E** date time applid tranid trannum Bridge queue not defined with INDXTYPE(CORRELID).

**Explanation:** The bridge queue should be defined with an index type of CORRELID. This is required if the queue is a shared queue and is recommended for private queues.

**System action:** If the bridge queue is shared, the bridge monitor does not start. Otherwise, processing continues.

**User response:** Alter the queue definition to specify the required index type and restart the bridge monitor.

**Module:** DFHMQBR0

**XMEOUT Parameters:** date, time, applid, tranid, trannum

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0766 I** date time applid tranid trannum Unable to open backout-requeue queue. MQRC=mrqcc.

**Explanation:** The backout-requeue queue defined to the bridge queue could not be opened.

**System action:** Messages will be sent to the dead-letter queue instead.

**User response:** Refer to the WebSphere MQ for z/OS Messages manual for information about mrqcc.

**Module:** DFHMQBR2

**XMEOUT Parameters:** date, time, applid, tranid, trannum, mrqcc

**Destination:** Console and Transient Data Queue CMQM and Terminal End User

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**DFHMQ0767 E** date time applid tranid trannum Backout-requeue queue not defined as local.

**Explanation:** The backout-requeue queue is not defined as a local queue.

**System action:** Messages will be sent to the dead-letter queue instead.

**User response:** Redefine the backout-requeue queue as a local queue.
DFHMQ0769 I • DFHMQ0774 E

Module: DFHMQBR2
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0769 I date time applid tranid trannum Unable
to inquire on backout-requeue queue.
MQRC=mqrc.
Explanation: An MQINQ call on the backout-requeue queue failed.
System action: Messages will be sent to the dead-letter queue instead.
User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc.

Module: DFHMQBP2
XMEOUT Parameters: date, time, applid, tranid, trannum, mqrc
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0770 I date time applid tranid trannum Backout-requeue queue not defined with USAGE(NORMAL).
Explanation: The backout-requeue queue is not defined correctly.
System action: Messages will be sent to the dead-letter queue instead.
User response: Ensure the backout-requeue queue is not defined as a transmission queue.

Module: DFHMQBR2
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0771 I date time applid tranid trannum Unable
to put message to backout-requeue queue. MQRC=mqrc.
Explanation: An MQPUT to the backout-requeue queue failed.
System action: Messages will be sent to the dead-letter queue instead.
User response: Refer to the WebSphere MQ for z/OS Messages manual for information about mqcc.

Module: DFHMQBP2
XMEOUT Parameters: date, time, applid, tranid, trannum, mqrc
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0772 E date time applid tranid trannum Invalid
FacilityLike value xxx in message.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_FACILITYLIKE_INVALID, because the FacilityLike field of the MQCIH header in the input message was invalid. It must correspond to an installed terminal that is to be used as a model for the bridge facility.
System action: The input messages are backed out to the backout-requeue queue or dead-letter queue.
User response: Correct the FacilityLike field to specify the name of a terminal installed on the CICS system or install a terminal with the required name.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum, xxx
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0773 E date time applid tranid trannum Invalid
or expired Facility token in message.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_INVALID_FACILITYTOKEN or BRIHRC_FACILITYTOKEN_IN_USE, because the Facility field of the MQCIH header in the input message was invalid. The value must be zero on the first request of a sequence of 3270 bridge messages, and the value that is returned in the reply message must then be used in subsequent messages. The token expires after the time specified in the FacilityKeepTime field of the first message. The token cannot be used by more than one sequence of bridge messages.
System action: The input messages are backed out to the backout-requeue queue or dead-letter queue.
User response: Check the application to ensure that the correct Facility token is being used and that it has not expired. If necessary, increase the FacilityKeepTime so that the token does not expire before the sequence of messages has been processed.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue
CMQM and Terminal End User

DFHMQ0774 E date time applid tranid trannum Unable
to start transaction on CICS system
sys-name.
Explanation: The RemoteSysId field of the MQCIH message header is non-blank, but the specified name sys-name is not known to CICS or there is no active CICS connection to that remote system.
System action: The input messages are backed out to
User response: Ensure that the specified CICS system is running and that there is an active CICS Intersystem communication connection to it from the system running the bridge monitor.

Module: DFHMQ8R0

XMEOUT Parameters: date, time,applid, tranid, trannum, sys-name

Destination: Console and Transient Data Queue

CMQM and Terminal End User

DFHMQ0775 I  date time applid tranid trannum Unable to start transaction on this CICS system.

Explanation: The RemoteSysId field of the MQCIH message header is blank, but the specified Facility token is not known to CICS.

System action: The bridge monitor does not know which CICS system allocated the token and so leaves the message on the queue for another bridge monitor to process. If the token is invalid or expired this may result in the message never being processed. Processing continues.

User response: Ensure that the RemoteSysId field of all messages except the first of a sequence contains the RemoteSysId returned in the previous reply message. This will ensure messages are routed directly to the correct CICS region improve performance, and prevent the possibility of unprocessed messages. None.

Module: DFHMQ8R0

XMEOUT Parameters: date, time,applid, tranid, trannum, code

Destination: Console and Transient Data Queue

CMQM and Terminal End User

DFHMQ0776 E  date time applid tranid trannum Invalid FacilityKeepTime value xxx in message.

Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_INVALID_KEEPTIME, because the FacilityKeepTime field of the MQCIH message header was zero or greater than the maximum allowed keep time (as controlled by the BRMAXKEEPTIME CICS system initialization parameter).

System action: The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response: Ensure that the FacilityKeepTime field of the first message in a 3270 transaction sequence contains a value within the valid range.

Module: DFHMQBP0

XMEOUT Parameters: date, time,applid, tranid, trannum, xxx

Destination: Console and Transient Data Queue

CMQM and Terminal End User

DFHMQ0777 E  date time applid tranid trannum Abend abend-code in transaction tran-id.

Explanation: A CICS abend occurred in a transaction running under the CICS link3270 bridge.

System action: The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response: Determine the cause of the abend and correct the underlying problem using normal CICS diagnostic techniques.

Module: DFHMQBP0

XMEOUT Parameters: date, time,applid, tranid, trannum, abend-code, tran-id

Destination: Console and Transient Data Queue

CMQM and Terminal End User

DFHMQ0779 E  date time applid tranid trannum Mapset does not match. mapset-id1 expected but mapset-id2 received.

Explanation: The mapset name in a receive map vector does not match the name requested. The bridge task cannot interpret the application data structure.

System action: The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response: Ensure the mapset name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

Module: DFHMQBP0

XMEOUT Parameters: date, time,applid, tranid, trannum, mapset-id1, mapset-id2

Destination: Console and Transient Data Queue
DFHMQ0780 E  DFHMQ0785 E

CMQM and Terminal End User

**DFHMQ0780 E  date time applid tranid trannum Map name does not match, map-id1 expected but map-id2 received.**

**Explanation:** The map name in a receive map vector does not match the name requested. The bridge task cannot interpret the application data structure.

**System action:** The input messages are backed out to the backout-requeue queue or dead-letter queue.

**User response:** Ensure the map name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

**Module:** DFHMQBP0

**XMEOUT Parameters:** date, time, applid, tranid, trannum, map-id1, map-id2

**Destination:** Console and Transient Data Queue

CMQM and Terminal End User

**DFHMQ0781 I  date time applid tranid trannum Invalid bridge vector.**

**Explanation:** The bridge input vector was invalid. Possible errors are

- The vector length is greater than the message length
- The vector type is not recognized
- A field length is greater than its defined length
- A field input data length is greater than the defined length of the field

The ErrorOffset field of the MQCIH header indicates the position within the message where the error was detected (although the actual error may have been caused by a problem earlier in the message).

**System action:** The input messages are backed out to the backout-requeue queue or dead-letter queue.

**User response:** Ensure the bridge input vector is defined correctly.

**Module:** DFHMQBP0

**XMEOUT Parameters:** date, time, applid, tranid, trannum, parm_string

**Destination:** Console and Transient Data Queue

CMQM and Terminal End User

**DFHMQ0784 E  date time applid tranid trannum Input=parm_string.**

**Explanation:** An error was found in the bridge start input parameters. parm_string shows the input parameters starting at the point where the error was detected.

**System action:** The bridge monitor terminates.

**User response:** Correct the parameter in error and restart the bridge monitor.

**Module:** DFHMQBR0

**XMEOUT Parameters:** date, time, applid, tranid, trannum, parm_string

**Destination:** Console and Transient Data Queue

CMQM and Terminal End User

**DFHMQ0785 E  date time applid tranid trannum Link3270 routing failed - not supported by CICS system.**

**Explanation:** The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_BACKLEVEL_CICS, because the Link3270 request was routed to a CICS system that does not support Link3270.

**System action:** The bridge transaction terminates abnormally.

**User response:** Correct the CICS transaction routing definitions. The target CICS system must be CICS Transaction Server Version 2 Release 2 or higher. For information about Link3270 see the **CICS External Interfaces Guide**.
Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0786 E date time applid tranid trannum
Link3270 routing failed - connection error.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_CONNECTION, because a connection error did not allow the Link3270 request to be routed to the remote region.
System action: The bridge transaction terminates abnormally.
User response: Correct the CICS transaction routing definitions. The target CICS system must be active and connected. For information about Link3270 see the CICS External Interfaces Guide.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0787 E date time applid tranid trannum
Link3270 routing failed - TERMERR.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_TERMERR, because the EXEC CICS LINK from the DFHL3270 to the target region failed with TERMERR.
System action: The bridge transaction terminates abnormally.
User response: Correct the CICS transaction routing definitions. For information about Link3270 see the CICS External Interfaces Guide.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0788 E date time applid tranid trannum
Link3270 routing failed - TRANDEF error.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_TRANDEF_ERROR, because the TRANSACTION resource definition in the routing region did not allow the transaction to be routed to the chosen target region.
System action: The bridge transaction terminates abnormally.
User response: Correct the CICS transaction routing definitions. For information about Link3270 see the CICS External Interfaces Guide.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0789 E date time applid tranid trannum
Link3270 routing failed - URM error.
RC=code CompCode=compcode.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_URM_LINK_FAILED or BRIHRC_ROUTING_URM_REJECTED, because the link to the dynamic routing User Replaceable Module (URM) failed or was rejected by the URM.
System action: The bridge transaction terminates abnormally.
User response: Correct the CICS transaction routing definitions. For information about the codes code and compcode from Link3270 see the CICS External Interfaces Guide.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum, code, compcode
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0790 E date time applid tranid trannum
Transaction not running.
Explanation: The CICS Link3270 program DFHL3270 returned code BRIHRC_TRANSACTION_NOT_RUNNING, because there was no transaction currently running on the bridge facility so the data from the WebSphere MQ message could not be passed to the transaction.
System action: The bridge transaction terminates abnormally.
User response: Check the state of the CICS system. For information about Link3270 see the CICS External Interfaces Guide.

Module: DFHMQBP0
XMEOUT Parameters: date, time, applid, tranid, trannum
Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0791 E date time applid tranid trannum
Invalid header format found in message.
Explanation: The length field in the header is less than the minimum header length or greater than the actual message length.
DFHMQ0792 I • DFHMQ2065

System action: Processing continues.

User response: Ensure that the input message contains only valid WebSphere MQ headers. Only MQH-type headers with standard header-chaining fields may appear in a bridge message before one or both MQCIH header and application data. Correct the MQMD and reissue the request.

Module: DFHMQBP0, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, format

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ0792 I date time applid tranid trannum
RouteMEM=routemem

Explanation: This confirms the bridge start monitor options.

System action: Processing continues.

User response: None.

Module: DFHMQBP0, DFHMQBR0

XMEOUT Parameters: date, time, applid, tranid, trannum, routemem

Destination: Console and Transient Data Queue CMQM and Terminal End User

DFHMQ2065 date time applid Resynchronization outstanding for queue manager qmgr after CICS-MQ group attach has connected to queue-sharing group qsg.

Explanation: CICS indicates that resynchronization is outstanding for queue manager qmgr after CICS-MQ group attach has connected to queue-sharing group qsg.

System action: The CICS is connected to WebSphere MQ queue-sharing group qsg but UOWs remain outstanding for WebSphere MQ queue manager qmgr.

User response: The MQCONN definition has RESYNCFIELD(GROUPRESYNC) specified but previously specified RESYNCFIELD(NO) or RESYNCFIELD(YES) and CICS has outstanding UOWs for that previous connection.

To resolve the outstanding UOWs, disconnect CICS from WebSphere MQ, change the setting of RESYNCFIELD to YES or NO and change the MQNAME to specify qmgr. Now connect CICS to WebSphere MQ and the outstanding UOWs will be resolved. Having done this you can now revert to the previous settings for RESYNCFIELD and MQNAME.

To avoid this problem in future, do not change the setting of RESYNCFIELD whilst there are indoubts outstanding in WebSphere MQ.

Note: Shunted UOWs are not affected. These cannot be resolved until resolution is received by CICS. They wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

Module: DFHMQCON

XMEOUT Parameters: date, time, applid, qmgr1, qmgr2

DFHMQ2066 date time applid Resynchronization outstanding for queue manager qmgr1 after CICS-MQ group attach has connected to queue manager qmgr2.

Explanation: CICS indicates that resynchronization is outstanding for queue manager qmgr1 after CICS-MQ group attach has connected to queue manager qmgr2.

System action: The CICS is connected to WebSphere MQ queue manager qmgr2 but UOWs remain outstanding for WebSphere MQ queue manager qmgr1.

User response: The MQCONN definition either has RESYNCFIELD(NO) specified, or

RESYNCFIELD(YES) is specified but CICS detected that all the UOWs outstanding are shunted indoubt meaning that resynchronization with WebSphere MQ cannot take place immediately. Both these situations allow group attach to proceed, and the result is CICS has connected to a different WebSphere MQ queue manager than previously. The user must manually reconnect to the original WebSphere MQ queue manager, which automatically resynchronizes the outstanding (non shunted) units of work. Shunted units of work wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

Module: DFHMQCON

XMEOUT Parameters: date, time, applid, trannum, format

Destination: Console and Transient Data Queue CMQM
Resynchronization outstanding for queue-sharing group \textit{qsg} after CICS-MQ group attach has connected to queue manager \textit{qmgr}.

**Explanation:** CICS indicates that resynchronization is outstanding for queue-sharing group \textit{qsg} after CICS has connected to queue manager \textit{qmgr}.

**System action:** The CICS is connected to WebSphere MQ queue manager \textit{qmgr} but UOWs remain outstanding for WebSphere MQ queue-sharing group \textit{qsg}.

**User response:** The MQCONN definition either has RESYNCMEMBER(NO) or RESYNCMEMBER(YES) specified but previously specified RESYNCMEMBER(GROUPRESYNC) and CICS has outstanding UOWs for that previous connection. To resolve the outstanding UOWs, disconnect CICS from WebSphere MQ, change the setting of RESYNCMEMBER to GROUPRESYNC and change the MQNAME to specify \textit{qsg}. Now connect CICS to WebSphere MQ and the outstanding UOWs will be resolved. Having done this you can now revert to the previous settings of RESYNCMEMBER and MQNAME.

To avoid this problem in future, do not change the setting of RESYNCMEMBER whilst there are indoubts outstanding in WebSphere MQ.

Note: Shunted UOWs are not affected. These cannot be resolved until resolution is received by CICS. They wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

**Module:** DFHMQCON

**XMEOUT Parameters:** date, time, applid, \textit{qsg}, \textit{qmgr}

**Destination:** Console and Transient Data Queue CMQM

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Program DFHMQRP cannot be found.

**Explanation:** CICS cannot link to the CICS/MQ restart program (DFHMQRP).

CICS cannot find DFHMQRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action:** CICS initialization terminates with message DFHSI1521 and a dump is taken.

**User response:** To correct this error, place DFHMQRP in a partitioned data set in the DFHRPL DD statement.

**Module:** XMEOUT Parameter: \textit{applid}

**Destination:** Console
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.

Deleting of an MQCONN means that the whole environment is deleted. This message will have been preceded by messages indicating the deletion of any currently installed MQINIs which by definition are always associated with the currently installed MQCONN.

System action: The system continues normally.
User response: None.
Module: XMEOUT Parameters: date, time, applid, terminal, userid, tranid, mqconn-name
Destination: CMQM

DFHMQ2107  date time applid terminal userid tranid MQINI mqini-name has been added.

Explanation: This is an audit log message indicating that MQINI mqini-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE of an MQCONN. If an MQCONN definition includes an initqname then an MQINI is implicitly installed. Where
• terminal is the netname or termid of the terminal associated with the transaction issuing the message.
  If there is no terminal associated with the transaction, the terminal name is suppressed.
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.
System action: The system continues normally.
User response: None.
Module: XMEOUT Parameters: date, time, applid, terminal, userid, tranid, mqini-name
Destination: CMQM

DFHMQ2108  date time applid terminal userid tranid MQINI mqini-name has been replaced.

Explanation: This is an audit log message indicating that MQINI mqini-name has been replaced using the INSTALL command or EXEC CICS CREATE of an MQCONN. If an MQCONN definition includes an initqname then an MQINI is implicitly installed. Where
• terminal is the netname or termid of the terminal associated with the transaction issuing the message.
  If there is no terminal associated with the transaction, the terminal name is suppressed.
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.
System action: The system continues normally.
User response: None.
Module: XMEOUT Parameters: date, time, applid, terminal, userid, tranid, mqini-name
Destination: CMQM

DFHMQ2109  date time applid terminal userid tranid MQINI mqini-name has been deleted.

Explanation: This is an audit log message indicating that MQINI mqini-name has been deleted from the CICS system using the DISCARD command for an MQCONN. When an MQCONN is discarded, any implicitly installed MQINIs are also discarded. Where
• terminal is the netname or termid of the terminal associated with the transaction issuing the message.
  If there is no terminal associated with the transaction, the terminal name is suppressed.
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.
System action: The system continues normally.
User response: None.
Module: XMEOUT Parameters: date, time, applid, terminal, userid, tranid, mqini-name
Destination: CMQM

DFHMSnnnn messages

DFHMS0101S  INCORRECT NUMBER OF RUNTIME PARAMETERS SUPPLIED.

Explanation: The Scanner was called with an incorrect number of parameters.
System action: None.
User response: Refer to the documentation for correct usage of the Scanner.
Module: DFHEISUP
Destination: SYSPRINT

DFHMS0102S  PRIMARY PARAMETER PARAMETER WAS NOT RECOGNIZED.

Explanation: The Scanner failed to recognize the first parameter passed.
System action: None.
User response: Refer to the documentation for correct usage of the Scanner.
Module: DFHEISUP
Destination: SYSPRINT
DFHMS0103S  SECONDARY PARAMETER WAS NOT RECOGNIZED.

**Explanation:** The Scanner failed to recognize the second parameter passed.

**System action:** None.

**User response:** Refer to the documentation for correct usage of the Scanner.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0104S  UNABLE TO OPEN INPUT FILE LIST FILELIST.

**Explanation:** The Scanner has been asked to scan the list of modules in data set FILELIST but that data set could not be opened.

**System action:** None.

**User response:** Check the definition of DD DFHLIST in the calling JCL.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0105S  CONVERT OF DD TO FULLY QUALIFIED DSNAME FAILED.

**Explanation:** The Scanner needs to convert a name given on a DD back to its Fully Qualified Name in order to access members. This conversion process failed.

**System action:** None.

**User response:** You may need further assistance from IBM to resolve this problem.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0106S  FAILED TO OPEN PDS DURING DD CONVERT.

**Explanation:** The Scanner encountered an error whilst attempting to open the PDS PDS to retrieve its Fully Qualified Name.

**System action:** None.

**User response:** Refer to the documentation for correct usage of the Scanner.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0107S  PDS, MALLOC FAILED FOR N BYTES.

**Explanation:** During PDS processing, there was not sufficient memory remaining to allocate N bytes.

**System action:** None.

**User response:** Increase the size of the region allocated to the Scanner at runtime.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0108S  PDS, FAILED TO OPEN PDS: PDS.

**Explanation:** The Scanner was asked to deal with PDS PDS, but was unable to open the PDS for access.

**System action:** None.

**User response:** Check the accessibility of data sets specified in the JCL.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0109S  PDS, FAILED TO READ PDS.

**Explanation:** The Scanner was asked to deal with a PDS, but was unable to retrieve data from the PDS.

**System action:** None.

**User response:** Ensure the Scanner has access to data sets specified in the JCL.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0110S  UNABLE TO OPEN THE FILTER INPUT DATA SET: FILTER.

**Explanation:** The Scanner was instructed to use data set FILTER as its filter input table, but was unable to open the data set for processing.

**System action:** None.

**User response:** Ensure the Scanner has access to DD DFHFLTR specified in the JCL.

**Module:** DFHEISUP
**Destination:** SYSPRINT

---

DFHMS0111S  FILTER VALIDATION HAS WARNINGS ABOUT FILTERLINE. THE FOLLOWING WARNINGS APPLY: WARNINGS.

**Explanation:** The Scanner found problems during validation of the specified filter. The filter line FILTERLINE was found to have the following warnings. WARNINGS
DFHMS0112S  DFHU0105

System action:  None.
User response:  Correct the errors in the offending filter lines, and rerun the Scanner. Refer to the documentation for assistance with specifying filters.
Module:  DFHEISUP
Destination:  SYSPRINT

Explanation:  The Scanner found problems during validation of the specified filter. The filter line FILTERLINE was found to have the following problems. PROBLEMS
System action:  None.
User response:  Correct the errors in the offending filter lines, and rerun the Scanner. Refer to the documentation for assistance with specifying filters.
Module:  DFHEISUP
Destination:  SYSPRINT

DFHMUnnnn messages

DFHMU0102 SOURCE DATA FILE NOT FOUND, OR RECORD FORMAT OR LENGTH NOT VALID.
Explanation:  Either the input file has been deleted or has not been defined correctly.
System action:  Processing terminates.
User response:  Ensure the input file exists and has been defined as RECFM F LRECL 80.
Module:  DFHMEU
Destination:  SYSPRINT

DFHMU0103 UNRECOGNIZED CONTROL WORD ON INPUT DATA RECORD.
Explanation:  An unrecognized control word was encountered during processing. The line printed following this message contains the word in error.
System action:  Processing continues.
User response:  Correct or remove the incorrect control word.
Module:  DFHMEU
Destination:  SYSPRINT

DFHMU0104 MISPLACED INPUT RECORD IN DATA SEQUENCE.
Explanation:  An input record has been placed incorrectly. The record in error is printed after this message.
System action:  Processing continues.
User response:  Place the record in error in the correct position.
Module:  DFHMEU
Destination:  SYSPRINT

DFHMU0105 PREMATURE END OF FILE REACHED IN 'SCANPARAMS' DATA SEQUENCE.
Explanation:  End of file (EOF) was detected while processing the SCANPARAMS section of the message source (DFHMEExE) file.
System action:  Processing terminates.
User response:  Check the message source file for corruption and ensure that the SCANPARAMS section and subsequent message definitions have been completed.
Module:  DFHMEU
DFHMU0106 • DFHMU0112

DFHMU0106 PREMATURE END OF FILE REACHED IN 'MEMBERLIST' DATA SEQUENCE.

Explanation: Processing of a link-edit (DFHMETxx) file has ended because of an unexpected end-of-file (EOF) condition in the MEMBERLIST section.

System action: Processing terminates.

User response: Correct and complete the MEMBERLIST section of the link-edit file.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0107 PREMATURE END OF FILE REACHED IN 'GLOBALS' DATA SEQUENCE.

Explanation: Processing of the DFHME00x file (where x is the current language suffix identifier) GLOBALS section was terminated due to an end-of-file (EOF) condition.

System action: Processing terminates.

User response: Check DFHME00x for corruption, and ensure that the GLOBALS section is complete and valid.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0108 MESSAGE msgno: PREMATURE END OF FILE REACHED IN 'MSGDEF' DATA SEQUENCE.

Explanation: An end-of-file (EOF) condition was encountered during the processing of message msgno. This is due to an incomplete message definition.

System action: Processing terminates.

User response: Complete the message definition for msgno.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0109 NEXT LINE IS INCORRECT. IT MUST BE 'MEMBERLIST', 'SCANPARAMS', 'GLOBALS', OR 'MSGDEF'.

Explanation: The next line in the message source file being processed has not been recognized.

System action: Processing terminates after the validation routine.

User response: Ensure that the following parameters are present.

• MEMBERLIST in message link-edit (DFHMETxx) files.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0110 MISPLACED RECORD IN 'SCANPARAMS' SEQUENCE.

Explanation: A record is not recognized as being part of the SCANPARAMS sequence. The record is printed after this message.

System action: Processing terminates after the validation routine.

User response: Reposition the incorrect parameter from the SCANPARAMS sequence in its correct position in the file. If the parameter is unknown, remove it from the file.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0111 INCORRECT INPUT RECORD FOUND WHEN 'MEMBER' EXPECTED.

Explanation: The keyword encountered on the record being processed is invalid for the link-edit (DFHMETxx) files. The record is printed after this message.

System action: Processing continues.

User response: Correct or remove the invalid record.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0112 MISPLACED RECORD IN 'GLOBALS' SEQUENCE.

Explanation: A keyword has been encountered that is not valid in the GLOBALS section of the message file. The record in error is printed after this message.

System action: Processing continues.

User response: Correct or remove the record containing the invalid keyword.

Module: DFHMEU

Destination: SYSPRINT
DFHMU0113 MISPLACED RECORD IN 'MSGDEF' SEQUENCE

Explanation: A record is out of sequence in the message definition. The record in error is printed after this message.

System action: Processing continues.

User response: Sequence the message definition records correctly.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0114 NUMBER OF MEMBERS IN MEMBERLIST EXCEEDS MAXIMUM ALLOWED.

Explanation: The maximum of 150 message members has been exceeded in the link-edit DFHMETxx module.

System action: Processing continues.

User response: Reduce the number of members in the MEMBERLIST section.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0115 MESSAGE msgno: TOO MANY SOURCE LINES.

Explanation: The maximum of 80 non-null and non-comment source lines has been exceeded in message msgno.

System action: Processing continues.

User response: Reduce the number of source lines in message msgno.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0116 'MEMBER' RECORD IS NOT A VALID 2-CHARACTER MESSAGE COMPONENT IDENTIFIER.

Explanation: The DFHMETxx member record printed after this message has an incorrect identifier.

System action: Processing continues.

User response: Ensure that all message component identifiers (MEMBER records) are correct.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0117 VALUE MISSING FOR KEYWORD ON GLOBAL OR PARAMETER RECORD.

Explanation: The keyword on the record printed after this message requires a value.

System action: Processing continues.

User response: Enter the required value for the keyword.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0118 MESSAGE msgno: NO DATA DEFINED BETWEEN 'MSGDEF' AND 'ENDMSG'.

Explanation: The message definition for message msgno is incomplete. Only the MSGDEF and ENDMGS records have been created.

System action: Processing continues.

User response: Complete or remove the definition of message msgno.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0119 MESSAGE msgno: INVALID KEYWORD FOUND ON 'MSGDEF' DATA RECORD.

Explanation: A keyword specified on the MSGDEF record is not known to the system.

System action: Processing continues.

User response: Ensure that the spelling of the MSGDEF keywords is correct.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0120 MESSAGE NUMBER IS MISSING OR NOT A VALID 4-DIGIT NUMBER.

Explanation: A message number is missing or does not consist of 4 digits.

System action: Processing continues.

User response: Specify a valid 4-digit message number after the MSGNO keyword.

Module: DFHMEU
Destination: SYSPRINT

DFHMU0121 MESSAGE msgno: DESTINATION NAME MISSING FROM 'DEST' RECORD.

Explanation: The destination identifier is missing from the DEST keyword in message msgno.
System action: Processing continues.
User response: Specify a valid destination identifier.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0122 MESSAGE msgno: NO DELIMITERS FOUND FOR TEXT STRING.
Explanation: Opening and closing delimiters are missing from a text string in message msgno. The text string is printed after this message.
System action: Processing continues.
User response: Ensure all text strings are enclosed in delimiters.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0123 MESSAGE msgno: AN OPENING OR CLOSING DELIMITER IS MISSING FROM A TEXT STRING.
Explanation: An opening or closing delimiter is missing from a text string in message msgno. The text string is printed after this message.
System action: Processing continues.
User response: Ensure that all text strings are enclosed in delimiters.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0124 MESSAGE msgno: SUFFIX FOR 'INS#NN','REPLY#NN' OR 'VALUE#NN' IS INCORRECT. 'NN' MUST BE IN RANGE 1 TO 10.
Explanation: A maximum of 10 inserts is permitted for each message definition. The insert number nn in INS#nn, REPLY#nn, or VALUE#nn in message msgno has been mistyped or exceeds the maximum value.
System action: Processing continues.
User response: Correct the insert number.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0125 MESSAGE msgno: INSERT DATA RECORD HAS 'FORMAT' KEYWORD MISPLACED OR MISSPELLED.
Explanation: The FORMAT keyword for the record that defines an insert has either been misplaced or misspelled. FORMAT must always be the first keyword of the insert definition.
System action: Processing continues.
User response: Correct the spelling or position of the FORMAT keyword.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0126 MESSAGE msgno: INVALID FORMAT TYPE. FORMAT MUST BE CHAR, HEX, DEC, TIME, OR DATE.
Explanation: The format type which is specified after the FORMAT keyword for message msgno is not valid. The FORMAT record at fault is printed after this message.
System action: Processing continues.
User response: Specify CHAR, HEX, DEC, TIME, or DATE after the FORMAT keyword.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0127 MESSAGE msgno: 'FORMAT' OPERAND IS INCOMPLETE. 'FORMAT' MUST BE CHAR, HEX, DEC, TIME, OR DATE.
Explanation: The FORMAT record in message msgno is incomplete. The record at fault is printed after this message.
System action: Processing continues.
User response: Complete the FORMAT record details.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0128 MESSAGE msgno: VALUE#nn KEYWORD INCORRECT OR MISSING ON INS#nn DATA RECORD.
Explanation: The keyword VALUE has been misspelled or is missing on the INSERT record of message msgno. The record at fault is printed after this message.
System action: Processing continues.
User response: Correct the record.
Module: DFHMEU
Destination: SYSPRINT
DFHMU0129 MESSAGE msgno: INVALID KEYWORD keyword ON 'SPECIAL_INSERT/TIMESTAMP' CARD.

Explanation: An invalid keyword keyword follows the TIME special insert record.
System action: Processing continues.
User response: Correct or remove the invalid keyword.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0130 MESSAGE msgno: INTERNAL LOGIC ERROR CONVERTING FULLWORD TO CHARACTER FORMAT.

Explanation: The value of the message number being processed is greater than 9999. This is an internal error caused by the corruption of DFHMEU.
System action: Processing terminates.
User response: Restore DFHMEU and retry the process. If the process fails again, you will need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0131 MESSAGE msgno: DESTINATION IS NOT VALID.

Explanation: The destination for message msgno is not recognized.
System action: Processing terminates at the end of the validation routine.
User response: Specify a valid message destination after the DEST keyword for message 'msgno'.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0132 MESSAGE msgno: ONE OR MORE SHIFT-OUT OR SHIFT-IN SYMBOLS MISPLACED OR MISSING.

Explanation: One or more Shift-Out or Shift-In symbols have not been found in the double-byte character set (DBCS) message msgno.
System action: Processing continues.
User response: Ensure all text strings in DBCS messages are surrounded by Shift-Out and Shift-In symbols.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0133 MESSAGE msgno: INVALID VALUE FOR GLOBAL FORMAT DEFINITION.

Explanation: The value listed for the keyword on the record printed after this message is not valid.
System action: Processing continues.
User response: Correct the keyword value.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0134 MESSAGE msgno: IS OUT OF SEQUENCE IN SOURCE FILE.

Explanation: The definition of message msgno is out of sequence in the message file. Message definitions must be positioned in ascending order of their message numbers.
System action: Processing continues.
User response: Move the definition of message msgno to its correct position in the source file.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0135 MESSAGE msgno: DUPLICATE MESSAGE NUMBER IN SOURCE FILE.

Explanation: The message msgno has already been defined in the message file.
System action: Processing continues.
User response: Remove the duplicate message definition or reassign with a unique message number.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0136 MESSAGE msgno: PREMATURE END OF FILE IN 'SYMDEF' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SYMDEF section of the message definition. The SYMDEF section should be terminated by an ENDSYM record.
System action: Processing terminates.
User response: Insert an ENDSYM record to terminate the SYMDEF section of message msgno.
Module: DFHMEU
Destination: SYSPRINT
DFHMU0137 MESSAGE msgno: UNRECOGNIZED
SYMPTOM KEYWORD.
Explanation: The record being processed is not
recognized as a symptom keyword.
System action: All records up to the next ENDSYM
keyword are rejected. If a record with an ENDSYM is
not found, all records are rejected until end of file.
User response: Ensure that an ENDSYM record exists
for the symptom section and that all keywords are
valid.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0138 MESSAGE msgno: MISSING
SYMPTOM ARGUMENT.
Explanation: The SYMPTOM keyword printed after
this message does not have an associated argument.
System action: Processing continues.
User response: Add a valid argument to the
SYMPTOM keyword for message msgno.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0139 MESSAGE msgno: INVALID SYMPTOM
ARGUMENT: INS# | SPECIAL_INSERT | TEXT STRING.
Explanation: The argument specified for the
SYMPTOM keyword printed after this message is not
valid.
System action: Processing continues.
User response: Correct the SYMPTOM keyword
argument for message msgno.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0140 MESSAGE msgno: UNDEFINED
INSERT IN SYMPTOM OR EXIT
RECORD.
Explanation: The insert number specified on the
SYMPTOM or EXIT record printed after this message has
not been defined in the message definition.
System action: Processing continues.
User response: Correct the SYMPTOM or EXIT
keyword insert.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0141 MESSAGE msgno: SYMPTOM DATA
ARGUMENT IS NOT VALID.
Explanation: The argument specified for the
SYMPTOM keyword shown following this message is
incorrect for this symptom.
System action: Processing continues.
User response: Ensure that the specified argument is
the correct one for the SYMPTOM keyword.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0142 MESSAGE msgno: SPECIAL INSERT IS
NOT VALID AS A SYMPTOM
ARGUMENT.
Explanation: The special insert specified as an
argument to the SYMPTOM keyword for message
msgno is not valid in the symptom string. The symptom
record is printed after this message.
System action: Processing continues.
User response: Correct the symptom record.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0143 MESSAGE msgno: TEXT SYMPTOM
ARGUMENT CONTAINS INVALID
CHARACTERS.
Explanation: The text specified in the SYMPTOM
argument contains one or more characters that are not
allowed in IBM's RETAIN system.
System action: Processing continues.
User response: Ensure text arguments for SYMPTOM
keywords contain only the following characters A to Z,
0 to 9, @, #, and &.
Module: DFHMEU
Destination: SYSPRINT

DFHMU0144 MESSAGE msgno: NO ROUTECODES
SPECIFIED. DEFAULTING TO 2 AND
11.
Explanation: The ROUTECODES keyword has been
specified without any routecodes and has defaulted to
routecodes 2 and 11.
System action: Processing continues.
User response: Accept the defaults or specify alternate
valid routecodes.
Module: DFHMEU
Destination: SYSPRINT
### DFHMU0145 MESSAGE msgno: INVALID DESTINATION KEYWORD. IT SHOULD BE x.

**Explanation:** The system encountered an invalid destination keyword. The valid keyword should be x. The line in error is printed after this message.

**System action:** Processing continues.

**User response:** Correct the destination keyword.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0146 MESSAGE msgno: ROUTECODE x IS OUT OF RANGE. VALID RANGE IS >0 TO <=n.

**Explanation:** An invalid value has been specified for a routecode.

**System action:** Processing continues.

**User response:** Correct the routecode value. The routecode should be greater than 0 and less than or equal to n.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0147 MESSAGE msgno: TRANSIENT DATA QUEUE gname IS NOT VALID.

**Explanation:** The destination transient data queue (TDQ) gname in message msgno is unknown to the system.

**System action:** Processing continues.

**User response:** Correct the TDQ name.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0148 MESSAGE msgno: THE VALUE x IS NOT VALID. IT MUST BE NUMERIC.

**Explanation:** An EXIT parameter has been specified with a nonnumeric value.

**System action:** Processing continues.

**User response:** Ensure all EXIT parameters are defined with numeric values.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0149 MESSAGE msgno: INVALID ARGUMENT GIVEN FOR EXIT PARAMETER n.

**Explanation:** The insert argument specified on EXIT parameter n is unknown.

**System action:** Processing continues.

**User response:** Specify a valid argument for the exit parameter n.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0150 MESSAGE msgno: EXIT PARAMETER n SPECIFIES AN INSERT NOT IN THE MESSAGE DEFINITION.

**Explanation:** The EXIT parameter n has specified an insert which does not exist in the definition template of message msgno.

**System action:** Processing continues.

**User response:** Specify only existing inserts for the EXIT parameters.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0151 MESSAGE msgno: NO EXIT PARAMETERS HAVE BEEN SPECIFIED.

**Explanation:** No EXIT parameters have been specified for this message. These are required because the message contains inserts.

**System action:** Processing continues.

**User response:** Add user exit information to the message definition.

**Module:** DFHMEU

**Destination:** SYSPRINT

### DFHMU0152 MESSAGE msgno: EXIT PARAMETER n IS MISSING.

**Explanation:** The EXIT parameter for insert n is missing.

**System action:** Processing continues.

**User response:** Insert the missing EXIT parameter.

**Module:** DFHMEU

**Destination:** SYSPRINT
**DFHMA0153** MESSAGE msgno: EXIT PARAMETER NUMBER IS NOT VALID. IT MUST BE GREATER THAN ZERO.

**Explanation:** An EXIT parameter number was defined with a number of zero. These parameter numbers should start from 1.

**System action:** Processing continues.

**User response:** Renumber the EXIT parameters correctly.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0154** MESSAGE msgno: INSERT n DOES NOT HAVE AN EXIT PARAMETER.

**Explanation:** A mismatch was found between the number of inserts and the user exit parameters defined for this message. There must be an EXIT parameter defined for each message insert.

**System action:** Processing continues.

**User response:** Correct the user exit parameters defined for this message.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0155** MESSAGE msgno: QUEUE NAME MISSING FROM TDQ DESTINATION.

**Explanation:** Message msgno has a transient data queue (TDQ) destination type but no TDQ name has been specified.

**System action:** Processing continues.

**User response:** Enter a valid TDQ name.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0156** MESSAGE msgno: 'QUEUES' KEYWORD IS MISSING.

**Explanation:** The TDQ destination QUEUES keyword has been omitted from the definition of message msgno.

**System action:** Processing continues.

**User response:** Specify the QUEUES keyword and a valid TDQ name.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0157** MESSAGE msgno: KEYWORD keyword HAS ALREADY BEEN SPECIFIED.

**Explanation:** The destination keyword keyword has already been specified for message msgno.

**System action:** Processing continues.

**User response:** Remove the duplicate entry or merge the destinations with the previous destination definition for this message.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0158** MESSAGE msgno: TOO MANY INSERTS ON SPECIAL INSERT LINE.

**Explanation:** More than four special inserts have been specified on one line.

**System action:** Processing continues.

**User response:** If you need more than four special inserts, create another SPECIAL_INSERT line with the extra inserts.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0159** MESSAGE msgno DESTINATION destid: TDQ NAME OR ROUTE CODE destname IS REPEATED.

**Explanation:** The destination destid, (either console or TDQ), has a duplicate destname entry. The destname is a route code if destid is console, or a transient data queue name if destid is TDQ.

**System action:** Processing continues.

**User response:** Correct the destination information for this message by removing the duplicate entry.

**Module:** DFHMEU
**Destination:** SYSPRINT

**DFHMA0160** MESSAGE msgno: INSERT n HAS ALREADY BEEN SPECIFIED.

**Explanation:** The insert n has been repeated in the definition of the exit parameters. There should only be one exit parameter per insert.

**System action:** Processing continues.

**User response:** Correct the insert definition in the exit parameter section of message msgno.

**Module:** DFHMEU
**Destination:** SYSPRINT
DFHMU0162 • DFHMU0170

DFHMU0162 'MEXDEF' KEYWORD IS MISSING OR MISPLACED.

Explanation: The MEXDEF keyword is either missing or in the wrong place. This keyword signifies the start of the user exit parameters definition section. It should appear after the definition of the message text and before the ENDMSG keyword.

System action: Processing continues.

User response: Ensure the MEXDEF keyword is present and in the correct place.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0163 MESSAGE msgno: 'MEXDEF' IS SPECIFIED BUT NO INSERTS EXIST IN THE MESSAGE DEFINITION.

Explanation: The MEXDEF keyword has been included in the definition of message msgno but there are no inserts defined for it. MEXDEF indicates the start of the user exit parameter definition section, and user exit parameters are only needed when a message contains inserts.

System action: Processing continues.

User response: Remove the MEXDEF keyword or ensure that message inserts have not been omitted from the message template.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0165 MESSAGE msgno: 'MEXDEF' SPECIFIED FOR A MESSAGE THAT IS NEITHER CONSOLE NOR TDQ.

Explanation: A MEXDEF record has been included in a message definition when the output destination is not Console or TDQ. The MEXDEF record implies that the message is available for the message user exit. Only messages to a console or TDQ destination can go through the message user exit.

System action: Processing continues.

User response: Either remove the MEXDEF record or change the message destination.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0166 MESSAGE msgno: USER EXIT DATA SPECIFIED FOR A BOOKONLY OR OFFLINE MESSAGE.

Explanation: User exit parameters have been specified for message msgno which is not produced by the message domain because it is a bookonly or offline message. This message does not need user exit parameters as it is not available for the message user exit.

System action: Processing continues.

User response: Ensure that message msgno has been correctly defined as bookonly or offline. If it has, remove the user exit parameters.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0167 MESSAGE msgno: 'ROUTECODES' OR 'QUEUES' KEYWORD IS OUT OF SEQUENCE.

Explanation: A ROUTECODES or QUEUES keyword is in the wrong position in the message definition template.

System action: Processing continues.

User response: Correct the keyword sequence. The ROUTECODES keyword should be on the DEST line after the CONSOLE keyword. The QUEUES keyword should be on the DEST line after the TDQ keyword.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0169 MESSAGE msgno: 'APPLID' SPECIAL INSERT MISSING ON CONSOLE MESSAGE.

Explanation: Console messages must have the APPLID special insert specified before the message text. This special insert is either missing or misspelled.

System action: Processing continues.

User response: Add the APPLID special insert to the message definition before the start of the message text.

Module: DFHMEU

Destination: SYSPRINT

DFHMU0170 MESSAGE msgno: DATE, TIME, OR APPLID SPECIAL INSERTS MISSING OR INCORRECT ON TDQ MESSAGE.

Explanation: Messages with a destination of TDQ should be defined with DATE, TIME, and APPLID special inserts before the message text. One or more of these special inserts is missing or incorrect.

System action: Processing continues.

User response: Ensure that the three special inserts are present and correct.

Module: DFHMEU

Destination: SYSPRINT
DFHM0171 MESSAGE: msgno RESP2 VALUE IS TOO LONG. THE MAXIMUM IS 4 DIGITS.

Explanation: Message msgno is being defined with an associated RESP2 value that will be returned as EIBRESP2 by the CICS command that issues the message. The value specified for RESP2 exceeds the maximum length of four decimal digits.

System action: Processing continues.

User response: Ensure that the RESP2 value is correct.

Module: DFHMEU

Destination: SYSPRINT

DFHM0999 INTERNAL LOGIC ERROR: NO MESSAGE FOR ERROR CODE code.

Explanation: The system attempted to display an error message that has not been defined in the internal message table.

System action: Processing of the utility program terminates.

User response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMEU

Destination: SYSPRINT

DFHMVnnnn message

DFHM0001E SEVERE ERROR IN CICS SVC SERVICES DURING RESMGR EXIT CLEAN-UP PROCESSING, R15OUT = 'X'xxxxxxx', R0OUT = 'X'xxxxxxx',
R1OUT = 'X'xxxxxxx', R15IN = 'X'xxxxxxx', R0IN = 'X'xxxxxxx',
SVC NUMBER = 'X'xx'.

Explanation: The CICS RESMGR exit stub has twice called the CICS SVC to perform clean-up for a particular functional area during normal or abnormal termination of a CICS TCB or address space. However, the SVC return code was nonzero both times. The message inserts identify the functional area concerned (R0IN), the SVC number, and the inputs and outputs.

System action: CICS termination continues.

User response: Inform the system programmer. Keep any dumps, the system log, and the output from the failing job. If other CICS systems are being seriously degraded by persistent errors in the functional area affected, it is usually necessary to re-IPL MVS to correct the problem.

Module: DFHMVRMS

Destination: Console
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- CICS Business Transaction Services, SC34-7160
- Java Applications in CICS, SC34-7174

Diagnosis
- CICS Problem Determination Guide, GC34-7178
- CICS Performance Guide, SC34-7177
- CICS Messages and Codes Vol 1, GC34-7175
- CICS Messages and Codes Vol 2, GC34-7176
- CICS Diagnosis Reference, GC34-7166
- CICS Recovery and Restart Guide, SC34-7180
- CICS Data Areas, GC34-7163
- CICS Trace Entries, SC34-7187
- CICS Debugging Tools Interfaces Reference, GC34-7165

Communication
- CICS Intercommunication Guide, SC34-7172
- CICS External Interfaces Guide, SC34-7168

Databases
- CICS DB2 Guide, SC34-7164
- CICS IMS Database Control Guide, SC34-7170
CICSPlex SM books for CICS Transaction Server for z/OS

General
CICSPlex SM Concepts and Planning, SC34-7196
CICSPlex SM Web User Interface Guide, SC34-7214

Administration and Management
CICSPlex SM Administration, SC34-7193
CICSPlex SM Operations Views Reference, SC34-7202
CICSPlex SM Monitor Views Reference, SC34-7200
CICSPlex SM Managing Workloads, SC34-7199
CICSPlex SM Managing Resource Usage, SC34-7198
CICSPlex SM Managing Business Applications, SC34-7197

Programming
CICSPlex SM Application Programming Guide, SC34-7194
CICSPlex SM Application Programming Reference, SC34-7195

Diagnosis
CICSPlex SM Resource Tables Reference Vol 1, SC34-7204
CICSPlex SM Resource Tables Reference Vol 2, SC34-7205
CICSPlex SM Messages and Codes, GC34-7201
CICSPlex SM Problem Determination, GC34-7203

Other CICS publications
The following publications contain further information about CICS, but are not provided as part of CICS Transaction Server for z/OS, Version 4 Release 2.
Designing and Programming CICS Applications, SR23-9692
CICS Application Migration Aid Guide, SC33-0768
CICS Family: API Structure, SC33-1007
CICS Family: Client/Server Programming, SC33-1435
CICS Family: Interproduct Communication, SC34-6853
CICS Family: Communicating from CICS on System/390, SC34-6854
CICS Transaction Gateway for z/OS Administration, SC34-5528
CICS Family: General Information, GC33-0155
CICS 4.1 Sample Applications Guide, SC33-1173
CICS/ESA 3.3 XRF Guide, SC33-0661
Accessibility

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully.

You can perform most tasks required to set up, run, and maintain your CICS system in one of these ways:
- using a 3270 emulator logged on to CICS
- using a 3270 emulator logged on to TSO
- using a 3270 emulator as an MVS system console

IBM Personal Communications provides 3270 emulation with accessibility features for people with disabilities. You can use this product to provide the accessibility features you need in your CICS system.
Readers’ Comments — We'd Like to Hear from You

CICS Transaction Server for z/OS
Version 4 Release 2
CICS Messages and Codes Vol 1
Publication No. GC34-7175-01

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