

z/VM



DFSMS/VM Messages and Codes

version 6 release 1

z/VM



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Note!

Before using this information and the product it supports, be sure to read the information in "Notices" on page 137.

This edition applies to version 6, release 1, modification 0 of IBM z/VM (product number 5741-A07) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About This Book

This book contains explanations and suggested actions for messages and codes issued by Data Facility Storage Management Subsystem/VM (DFSMS/VM), an IBM® z/VM® feature that improves productivity by providing storage management for Shared File System (SFS) storage and by easing the task of moving minidisks from one physical device to another.

For a description of the message format for the master virtual machines, server virtual machines, and the DFSMS commands, see “DFSMS/VM Message Format” on page 2. For a description of the ISMF message format, see “ISMF Message Format” on page 2.

For error messages issued by the master virtual machines, server virtual machines, or the DFSMS commands, see:

- Chapter 2, “DFSMS/VM DGT Messages,” on page 11, for messages from issuing DFSMS/VM commands with explanations and suggested actions.
- Chapter 3, “DFSMS/VM FSM Messages,” on page 27, for messages from a DFSMS/VM server with explanations and suggested actions.
- Chapter 4, “DFSMS/VM IGD Messages,” on page 95, for messages from Automatic Class Selection (ACS) routine processing with explanations and suggested actions.
- “ACS Routine Return Codes” on page 107, for a table listing the standard ACS return codes.
- “ISMF Return and Reason Codes” on page 107, for Interactive Storage Management Facility (ISMF) return and reason codes.
- “DFSMS/VM Return Codes” on page 129, for DFSMS command return codes, IUCV return codes, and CP return codes, that appear in DFSMS/VM messages.

Intended Audience

This manual is intended for anyone who needs to understand the messages and codes issued by DFSMS/VM.

Where to Find More Information

See “Bibliography” on page 143 at the back of this book.

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Do not use the feedback methods listed above. Instead, do one of the following:

- Contact your IBM service representative.
- Contact IBM technical support.
- Visit the z/VM support Web page at www.vm.ibm.com/service/
- Visit the IBM mainframes support Web page at www.ibm.com/systems/support/z/

Chapter 1. Introduction to DFSMS/VM Messages and Codes

This chapter contains information to help you understand the messages and codes issued by Data Facility Storage Management Subsystem/VM (DFSMS/VM). The information describes the message format and explains how you can display DFSMS/VM messages.

Messages and codes describe the results of processing and are issued by:

- DFSMS/VM commands
- DFSMS and RMS (removable media services) virtual machines
- Interactive Storage Management Facility (ISMF)
- Interactive Systems Productivity Facility (ISPF)

DFSMS/VM Virtual Machines

When you issue a DFSMS/VM command, or use ISMF, DFSMS/VM handles your request through virtual machines. The following are functions that these virtual machines provide:

- Minidisk management, which includes the MOVE and CHECK commands, and the building of minidisk lists for the ISMF Minidisk Application. This is handled by the DFSMS master and minidisk server machines.
- Space management, which implements DFSMS storage management on Shared File System (SFS) files; this includes migration or expiration as determined by their management class. This is handled by the DFSMS master and server machines.
- Removable media management, which provides services to the IBM 3495 Tape Library Dataserver. This is handled by the RMS master virtual machine.

Message Formats

Messages consist of a message identifier (for example, FSM0509E) and message text. The identifier distinguishes messages from each other. The text describes a condition that has occurred and may suggest an action to the user.

The following sections describe the message formats used by DFSMS/VM components.

ISMF Message Format

The format of ISMF messages is

DGTxxnnn

where:

- DGT** is the prefix that indicates a DFSMS/VM message
- xx** is a two-character ISMF function identifier
- nnn** is the message number

ISMF message explanations can be found online. For ISMF return and reason codes associated with ISMF messages see, "ISMF Return and Reason Codes" on page 107.

DFSMS/VM Message Format

The format of master virtual machine, server virtual machine, and DFSMS/VM command messages is

###xxxnnnns

where:

- ###** is the prefix that indicates a DFSMS/VM message. DFSMS/VM message prefixes are:
 - DGT
 - FSM
 - IGD
- xxx** is a three-character control section (CSECT) identifier that is requested by the IBM service representative if assistance is required.
- nnnn** is the message number.
- s** is one of the following severity codes:
 - I = Informational
 - W = Warning
 - E = Error
 - S = Severe error

Message Variables

The following are some of the variables used in the message explanations:

Variable	Meaning
Blocknumber	Number of a conversational monitor system (CMS) block
Catname	1-to-32 character category name that identifies a logical grouping of removable media volumes
CSL routine	Assembler program that resides in a callable services library and that can be invoked from an application program to do a specific function
Devtype	IBM device type
Dirid	Identifier for a Shared File System directory
File pool	Collection of minidisks managed by a Shared File System
Fn	File name
Ft	File type
Fm	File mode
Fileid	Fn ft [fm] or [directory ID]
Hex value	Value displayed in hexadecimal format
Libname	1-to-32 character name that identifies the tape library data server
Line number	Record number in the DFSMS/VM control file for which the message has been issued
Operation	Event or specific action performed by a logic element
Option	Keyword that controls the processing of the command
Pathid	Virtual machine path identification
Rdev	Real device address
Reason code	A number generated by the application being executed which provides additional information about an error or condition
Return code	A number generated by the application being executed which describes the result of processing a DFSMS/VM request
Request identifier	Unique identifier assigned to a DFSMS/VM request
Routine number	Unique number assigned to DFSMS/VM external processing
Server	Virtual machine that receives requests from the master virtual machine, executes requested operations, and reports status back to the master virtual machine
Step number	Identifier for the current operation being processed for a MOVE or CHECK command
Userid	One- to eight-character name that identifies the user
Vdev	One- to four-digit hexadecimal number that represents a virtual device number
Vlabel	Six character external volume label

Displaying Messages

The following sections summarize how you display ISMF and DFSMS/VM messages. Online DFSMS/VM message help information is available from the CMS command line and is useful for obtaining immediate information on a message.

ISMF Messages

When an error occurs while you are using ISMF, a short message appears at the right corner of the current panel as in Figure 1:

```
COMMAND ===>                                MINIDISK SELECTION PANEL  LIST DOES NOT EXIST
SELECT SOURCE OF MINIDISK LIST ===> 1      (1 - saved list, 2 - new list)
```

Figure 1. Sample Short Message

Messages produced by ISMF have a message prefix of DGT and are eight characters long.

1. If you need more information about the error, press **PF1** or enter the **HELP** command. A long message, such as the one shown in Figure 2 appears.

```
COMMAND ===>                                MINIDISK SELECTION PANEL  LIST DOES NOT EXIST
The specified list does not exist because it was not saved
SELECT SOURCE OF MINIDISK LIST ===> 1      (1 - saved list, 2 - new list)
```

Figure 2. Sample of a Long Message

2. To obtain additional information, press **PF1** again. A message panel appears, such as the one shown in Figure 3 on page 5. Message panels contain the message number, the short message, the long message, and an explanation of the error, along with a suggested action.

```

HELP-----ISMF MESSAGE-----HELP
COMMAND ==>

MESSAGE NUMBER: DGTJM006

SHORT MESSAGE:  LIST DOES NOT EXIST

LONG MESSAGE:   The specified list does not exist because it was not
                saved

EXPLANATION:
  The saved list generation did not execute successfully because the
  list does not exist in the output table library.  It is possible that
  you did not use the SAVE command to save the list or due to an
  unexpected ISMF internal error, the list was not saved.

SUGGESTED ACTION:
  Use the SAVE command on the list panel to save the list.  Then you
  will be able to generate the saved list by using the list name.  If
  the error persists, contact your system programmer or IBM for
  assistance.

Use ENTER to continue with ISMF HELP, Use END to return to ISMF.

```

Figure 3. Sample of a Message Panel

Messages produced by ISPF have a message prefix of ISP or ISR. If ISPF issued the message and the help panel does not indicate how to correct the error, see the *ISPF Dialog Management Guide*.

3. Enter the ISMF **ERTB** command to display the ISMF Error Table Display panel. This panel retrieves message IDs, return codes, and reason codes associated with the problem.
4. Look up the return codes, and reason codes in “ISMF Return and Reason Codes” on page 107.
5. Ensure that the ISPF log is active and examine it for additional information. The level of information contained in the ISPF log depends on the settings you have specified in your ISMF user profile.

DFSMS/VM Messages

DFSMS/VM issues messages from the DFSMS/VM virtual machines. DFSMS/VM can place messages in a log file, the virtual machine’s console, or both. You can select the logging of messages with one of two pairs of control statements:

- DFSMS_LOG_TO_FILE
- DFSMS_LOG_TO_CONSOLE

or

- RM_LOG_TO_FILE
- RM_LOG_TO_CONSOLE

The control statements prefixed with DFSMS apply to logging in the DFSMS master and server virtual machines. Statements prefixed with RM apply to logging in the RMS master.

When LOG_TO_FILE is selected, specify an SFS file space where the log file can be maintained.

DFSMS/VM logs a message to the log file or console according to its severity and the severity specified in the control statement.

DFSMS/VM presents messages in four categories: severe, error, warning, and informational. The message category is indicated by a severity code letter in each message: S, E, W, or I, respectively. The severity codes are defined as follows:

Category	Meaning
Severe	A component of DFSMS/VM abends or otherwise stops because of some condition.
Error	DFSMS/VM cannot perform a function because of an unexpected condition.
Warning	DFSMS/VM performs the function correctly, but the results may not be what the command issuer expects.
Informational	DFSMS/VM performs the function correctly, and the results are what the command issuer expects.

You must specify logging of at least severe messages with one of these keywords. The recommended setting of the DFSMS_LOG_TO_FILE keyword or RM_LOG_TO_FILE keyword is 3. By choosing a setting of 3, you retain a record of severe, error, and warning messages, while maintaining efficient response time on DFSMS/VM. The recommended setting of the DFSMS_LOG_TO_CONSOLE keyword or RM_LOG_TO_CONSOLE keyword is 4. By choosing a setting of 4, you retain a complete record of DFSMS/VM processing. See *z/VM: DFSMS/VM Customization* for additional information about control file keywords.

You can capture the messages displayed on the console by putting the following statement in the PROFILE EXEC of the virtual machine before starting DFSMS/VM, or you can enter the following on the command line:

```
CP SPOOL CON START *
```

Note: Be aware that when spooling the console to a file, the file size can increase rapidly, consuming large amounts of spool space.

Following is an example of an SMS and minidisk log file.

Note: The highlighted column headings are not part of the log file. They are included only to clarify the log file contents and format.

Date of Message YYYYMMDD	Time of Message HHMMSS	Request ID	Message
↓	↓	↓	↓
19930913	083043	0000003	FSMEIF1211I DFSMS DETERMINE MANAGEMENT CLASS received from
19930913	083043	0000003	user KEN, request identifier = 3
19930913	083048	0000021	FSMEIF1211I DFSMS DETERMINE MANAGEMENT CLASS received from
19930913	083048	0000021	user DON, request identifier = 21

Note: When reviewing the log file, be sure to access the current day's log file with the NOLOCK option because DFSMS/VM keeps a lock on the current day's file.

Reviewing Console Logs

To review a console log file, do the following:

1. Log on to the DFSMS/VM virtual machine in question.
2. Enter

```
Begin
```

```
to resume operation in the virtual machine.
```

3. Enter

#CP SP CONS CLOSE TO userid

to send the console file of the virtual machine to a specific user ID.

4. On the owner user ID's virtual machine, browse the console log file for error messages.

The message format is

DGTxxxxnnns

or

FSMxxxxnnns

or

IGDxxxxnnns

where:

xxx represents a three-character control section (CSECT) identifier requested by the IBM service representative if assistance is required.

nnnn is the message number.

s indicates the severity of the error (I=Informational, W=Warning, E=Error, S=Severe).

CP and CMS messages also appear in the console file.

5. Locate the error message either with online help or this manual. You will find explanations and suggested actions accompanying the error message.
6. If a message found on a DFSMS/VM virtual machine console file indicates a problem on another DFSMS/VM virtual machine, then check the indicated DFSMS/VM virtual machine.

Online HELP for Messages

Online help for messages is available from the CMS command line. The z/VM HELP facility can assist you by letting you conveniently display information about DFSMS/VM messages. Help text for messages is displayed when you invoke:

HELP cccnnns

or

HELP cccmmnnns

Where:

ccc is the component ID of the message (DGT, FSM, IGD)

mmm is the optional module identifier

nnnn is the message number

s is the message severity

See *z/VM: CMS Commands and Utilities Reference* for additional information about the z/VM HELP facility.

DFSMS COPY and DFSMS CHECK Commands

When the full error message function is in effect and you issue a DFSMS COPY or DFSMS CHECK command under CMS, messages are displayed on your terminal. For full error message function, issue the CP command SET EMSG ON after you log on. You can request that messages be held in a file and sent to your reader by specifying options with DFSMS COPY and DFSMS CHECK commands. Refer to the *z/VM: DFSMS/VM Storage Administration* for the options and syntax to request a message file. The message file allows you to perform the following:

1. You can look through the file for any DFSMS COPY or DFSMS CHECK command messages.
2. Look up message explanations and suggested actions for DFSMS COPY or DFSMS CHECK command messages in Chapter 2, "DFSMS/VM DGT Messages," on page 11.

Displaying Messages in Other Languages

All messages documented in this book are in American English; however, most messages are displayed at your terminal in the language set for your virtual machine. If your virtual machine is set to another language, you will receive most messages in that language.

Messages within the FSM9900 to FSM9999 range are only displayed in American English.

Contacting the IBM Support Center

DFSMS/VM message help explanations may suggest that you contact the IBM Support Center for additional help with processing errors. When the proper diagnostic procedures have been followed and user specifications have been checked for accuracy, you should then contact the IBM Support Center for further assistance and supply this information:

- Customer number
- Processor number such as type, model, and serial
- Component ID of DFSMS/VM
- Current DFSMS/VM function level
- Current DFSMS/VM service level (list of PTFs that have been applied and the associated APAR)
- A brief description of the problem which includes type of failure, abend codes, exception codes, message numbers and text, and routine names

If the IBM Support Center representatives cannot immediately resolve the problem, they may pass the problem call to the DFSMS/VM Level 2 support group. When the

support group representatives contact you, they will request that you have certain documentation at hand to aid in the diagnosis of the problem. Therefore, keep the following for possible future reference:

- System console log from around the time the problem occurred
- Dump information
- Log files
- Report files
- Command text as entered
- Messages in question
- For a wait or loop failure, all the data that was gathered while determining a wait/loop
- For a documentation failure, the location of the error in the manual and a description of the problem it caused
- ISPF transaction logs with problem related information
- Copy of DFSMS/VM control file (DGTVCNTL DATA)

If you wish to supply IBM this information on tape, use the VMFPLC2 or TAPE command to transfer it to tape.

You will also be asked to supply various types of information that describe the DFSMS/VM functions used, environment, and activities. Applicable items of information from the following list may also be requested:

- Copy of master or server virtual machine directory definitions
- Copy of PROFILE EXEC of master or server virtual machines if it is not the one supplied by IBM
- Copy of directory definitions of SFS servers used by DFSMS/VM for secondary storage
- Copy of DMSPARMS file for SFS servers
- Copy of the source configuration file
- Copy of any installation-wide exits you are using that are not what was originally shipped with DFSMS/VM

Component Identification

The component identifier is a number that identifies DFSMS/VM within the IBM software support database. For DFSMS/VM, the component ID is 570611601.

Function Level

To determine the function level of DFSMS/VM, enter the following on the user's virtual machine:

```
DFSMS QUERY DFSMSLEVEL
```

A message is displayed indicating the function level of DFSMS/VM.

Chapter 2. DFSMS/VM DGT Messages

DGT0001E Error, no file mode specified

Explanation: No file mode has been specified in the DFSMS COPY command. This is a required parameter. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0002E Error, no virtual device address specified

Explanation: No address has been specified in the DFSMS COPY command. This is a required parameter. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0003E Option *option* invalid

Explanation: An invalid option, as specified by *option*, has been specified in the DFSMS COPY command. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0004E File mode *fm* is not CMS format

Explanation: An attempt has been made to copy a minidisk with DFSMS COPY that is not CMS format. *Fm* is the file mode. DFSMS COPY issues return code = 36.

Suggested Action: DFSMS COPY cannot copy non-CMS format. Use a data mover appropriate to the type of data on the minidisk.

DGT0005E Disk *vdev* not ACCESsed

Explanation: The source minidisk must be accessed before DFSMS COPY processing can start. Since the source minidisk is not accessed, DFSMS COPY issues return code = 36.

Suggested Action: ACCESS the source minidisk prior to invoking the DFSMS COPY command.

DGT0006E Input disk *vdev* = output disk

Explanation: The source and target minidisk virtual addresses are the same. *Vdev* is the minidisk virtual address. DFSMS COPY issues return code = 24.

Suggested Action: Check the input given to DFSMS COPY.

DGT0007E Insufficient free storage

Explanation: There is not enough virtual storage available to process the DFSMS COPY command. Since processing cannot occur, DFSMS COPY issues return code = 104.

Suggested Action: Invoke DFSMS COPY with a smaller OPTimize (1 or 2) value. The default is OPTimize(3). OPTimize(1) and OPTimize(2) require less virtual storage, but the time to move the data increases. See the *z/VM: DFSMS/VM Storage Administration* for information regarding COPY and the OPTimize option.

DGT0008E File mode *fm* invalid

Explanation: The file mode of the source minidisk is not a valid value for a CMS file mode. Due to the invalid file mode, DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0009E *Vdev* is an invalid minidisk address

Explanation: The virtual address of the target minidisk is invalid. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0010E *Vdev* is read-only

Explanation: The target minidisk supplied to DFSMS COPY is LINKed read-only. DFSMS COPY issues return code = 36.

Suggested Action: Check the input to DFSMS COPY. If a copy of the minidisk is needed, retry the request after linking to the minidisk as read/write and accessing it.

DGT0011E Output minidisk will not hold *number of blocks* blocks

Explanation: The target minidisk does not hold as many CMS blocks as are contained on the source minidisk. DFSMS COPY issues return code = 256.

Suggested Action: Check the input to DFSMS COPY. Provide a target minidisk with sufficient CMS blocks.

DGT0012E Input and output not same device class

Explanation: Both the source and target minidisks are not the same format. DFSMS COPY issues return code = 24.

Suggested Action: Use CMS FORMAT and CMS COPYFILE to copy this minidisk instead of DFSMS COPY.

DGT0013E "NOERASE" option can be used only with FBA

Explanation: The NOERASE option is only valid for FBA format DASD. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0014E Device *vdev* not supported

Explanation: Either the source minidisk or target minidisk is on a DASD not supported by DFSMS COPY. DFSMS COPY issues return code = 24.

Suggested Action: Use the combination of CMS FORMAT and CMS COPYFILE to copy this minidisk instead of DFSMS COPY.

DGT0015E Device address *vdev* is invalid

Explanation: An attempt to acquire information about the specified virtual device has failed. Information is acquired by CP Diagnose X'24'. Either there is a virtual device, but no associated real device, or the virtual device does not exist. This message may be received if an attempt to copy an accessed minidisk, when the underlying CP virtual address has been detached, is made. DFSMS COPY issues return code = 100.

Suggested Action: Check the input to DFSMS COPY.

DGT0016E Device *vdev* not attached

Explanation: The virtual address is detached or redefined while DFSMS COPY is in operation. DFSMS COPY issues return code = 100.

Suggested Action: Check to see if operation of DFSMS COPY has been interrupted. If it has been running in a minidisk server, check the console log of that server.

DGT0017E Device *vdev* busy or an interrupt pending

Explanation: A Diagnose I/O request issued by DFSMS COPY has received condition code 1 while executing a channel program. DFSMS COPY issues return code = 100.

Suggested Action: Check to see if operation of DFSMS COPY has been interrupted. If it has been running in a minidisk server, check the console log of that server.

DGT0018E Wrong-length record found on device *vdev* at *var1 var2*

Explanation: A record read from the source minidisk is not the same length as the source minidisk CMS block size. This means the source minidisk is not formatted for CMS use. DFSMS COPY issues return code = 100.

Suggested Action: Request DFSMS CHECK on the source minidisk to ensure the source minidisk is intact.

DGT0019E Unit exception on device *vdev* at *var1 var2*

Explanation: A Diagnose I/O request, issued by DFSMS COPY, has received condition code 2 while executing a channel program. This may mean that the source minidisk is not correctly formatted for use by CMS. DFSMS COPY issues return code = 100.

Suggested Action: Run DFSMS CHECK on the source minidisk to ensure the source minidisk is intact.

DGT0020I Copying block *var1* of *var2*

Explanation: This informational message is produced when the STATUS option is specified on DFSMS COPY.

Suggested Action: None.

DGT0021E Permanent I/O error on device *vdev* at *var1 var2*

Explanation: A permanent I/O error has occurred while trying to read or write a minidisk. The device address is displayed. DFSMS COPY issues return code = 100.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. The volume containing the affected minidisk may need repair.

DGT0022E CSW = *var1 var2*, CCW = *var3 var4*

Explanation: A permanent I/O error has occurred while trying to read or write a minidisk. The CSW and the last CCW are displayed. DFSMS COPY issues return code = 100.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. The volume containing the affected minidisk may need repair.

DGT0023E Sense bytes 0-3 = *sense bytes*

Explanation: A permanent I/O error has occurred while trying to read or write a minidisk. The first four sense bytes are displayed. DFSMS COPY issues return code = 100.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. The volume containing the affected minidisk may need repair.

DGT0024E Internal error. BUFENTRY overlay at *work area storage*

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header and the *work area storage*.

DGT0025E Internal error

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header.

DGT0026E Work area storage overlay at *work area storage*

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header and *work area storage*.

DGT0027W SKIP not available, var1 not RW or EDF

Explanation: The SKIP option can only be honored by DFSMS COPY if the source minidisk is linked read/write and is not an 800-byte block. DFSMS COPY issues return code = 4.

Suggested Action: LINK the source minidisk as read/write. Access the source disk and invoke DFSMS COPY again.

DGT0028I Command *command* gave return code = *return code*

Explanation: This message is produced when the DFSMS COPY command processing stops. DFSMS COPY issues the return code returned by the routine it has called.

Suggested Action: None.

DGT0029E No value given for option *option*

Explanation: No value has been provided for a keyword to the data mover in the minidisk server. DFSMS COPY issues return code = 24.

Suggested Action: Check the input to DFSMS COPY.

DGT0030E Error, return code = *return code* when writing *fileid*

Explanation: The CMS file system has encountered the return code shown when attempting to write the file called for by the FILE, FOR, and AS options. Processing of DFSMS COPY continues, but no additional messages are written to the CMS file. DFSMS COPY issues the return code returned by CMS FSWRITE.

Suggested Action: Check the input to the DFSMS COPY command. The user ID specified by FOR *userid* and the virtual address specified by AS *vdev* are used to generate a CMS file name and type. Also, see if the minidisk referenced by the file mode containing the file output is out of space.

DGT0032E Internal error. CCWAREA overlay at *work area storage*

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header and *work area storage*.

DGT0033E BLKSIZE *blocksize* not valid for device *vdev*

Explanation: The block size of the source minidisk is not valid for the target minidisk. For example, 800 is not a valid block size for the device. DFSMS COPY issues return code = 88.

Suggested Action: The source minidisk must be copied to the target minidisk with a target block size value that is valid. This is done automatically by ISMF when reblocking is requested in the ISMF Move Entry panel.

DGT0034E Missing record

Explanation: DFSMS COPY detects that one or more CMS blocks has not been read from the source minidisk during a read operation that produced no I/O error. This can be caused by missing records on a track that is part of a CMS minidisk, or by device malfunction. DFSMS COPY issues return code = 100.

Suggested Action: Request DFSMS CHECK on the source minidisk to ensure that the source minidisk is intact.

DGT0035I *Var1 var2*

Explanation: This is an informational message issued by DFSMS COPY.

Suggested Action: None.

DGT0048E CP/CMS size mismatch for device *vdev*

Explanation: A size mismatch between CP and CMS for the device has occurred.

Suggested Action: Consult *z/VM: CP Commands and Utilities Reference* and *z/VM: CMS Commands and Utilities Reference* to resolve the problem.

DGT0051E Input minidisk is damaged, COPY cannot proceed

Explanation: DFSMS COPY is unable to collect critical information from the input minidisk to start the copy. DFSMS COPY issues return code = 104.

Suggested Action: Run DFSMS CHECK on the source minidisk to see if the minidisk is intact.

DGT0052E Insufficient work space on source minidisk

Explanation: When copying from FBA to ECKD™, DFSMS COPY detects that the input minidisk is 100% full. DFSMS COPY issues return code = 24.

Suggested Action: Erase unused files from the source minidisk and then reissue DFSMS COPY.

DGT0053E Critical error has occurred, DFSMS COPY cannot continue

Explanation: DFSMS COPY cannot continue due to a critical error, such as an error in writing the label. DFSMS COPY issues return code = 104.

Suggested Action: Run DFSMS CHECK on the source minidisk to see if the minidisk is intact.

DGT0100I File: *fileid* Block: *blocknumber* - block number out of range

Explanation: *Fileid*, which includes the file name and file type, in the block has an invalid record length or *blocknumber*; the block number is not valid because it is larger than the maximum number of blocks on the minidisk. DFSMS CHECK issues return code = 4.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk or an

SFS file space. Then reformat the source disk and copy the files back.

DGT0101E *Vdev is an invalid minidisk address*

Explanation: *Vdev* is the input virtual address to be checked and is invalid. DFSMS CHECK issues return code = 24.

Suggested Action: Verify the input to DFSMS CHECK is correct. Reissue the command.

DGT0102E *Error, return code = return code when writing fileid*

Explanation: *Return code* is the error return code from FSWRITE. *Fileid* is the file name and file type of the file being written when the error occurred. The CMS file system returns *return code* when trying to write the file called for by the FILE option. Execution of DFSMS CHECK continues, but all messages are written to the console instead of the CMS file. DFSMS CHECK issues the return code returned by FSWRITE.

Suggested Action: The input user ID or virtual address may be invalid, or there may not be enough room to write out the file. Check the input to the DFSMS CHECK command and reissue the request.

DGT0103E *Device address vdev is invalid*

Explanation: The virtual address defined by *vdev* is detached or redefined while DFSMS CHECK is in operation. DFSMS CHECK issues return code = 100.

Suggested Action: Check to see if operation of DFSMS CHECK has been interrupted. If it has been running in a minidisk server, check the console log of that server.

DGT0104E *Address: vdev Device Type: device type Date Created: creation date*

Explanation: This is an informational message issued by DFSMS CHECK indicating the address, device type, and creation date.

Suggested Action: None.

DGT0105I *Valid: volume id Block size: block size Last Changed: date last changed*

Explanation: This is an informational message issued by DFSMS CHECK indicating the volume ID, block size, and date last changed.

Suggested Action: None.

DGT0106I *Cyls: number of cylinders Usable Cyls: number of usable cylinders*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of cylinders and number of usable cylinders.

Suggested Action: None.

DGT0107I *Total number of CMS blocks: number of CMS blocks*

Explanation: This is an informational message issued by DFSMS CHECK indicating the total number of CMS blocks.

Suggested Action: None.

DGT0108I *Number of CMS blocks used: number of blocks (percent used%)*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of blocks used.

Suggested Action: None.

DGT0109I *CMS blocks counted: number of blocks*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of CMS blocks counted.

Suggested Action: None.

DGT0110I *Blocks in allocation map: number of blocks*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of blocks in allocation map.

Suggested Action: None.

DGT0111W *Number of CMS blocks used: number of blocks (percent used%)*

Explanation: This a warning message issued by DFSMS CHECK indicating the number of CMS blocks used.

Suggested Action: None.

DGT0112I *CMS blocks counted: number of blocks <- These three numbers*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of CMS blocks counted.

Suggested Action: None.

DGT0113I *Blocks in allocation map: number of blocks <- should be identical*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of blocks in allocation map.

Suggested Action: None.

DGT0114I *Lost CMS blocks: number of CMS blocks*

Explanation: This is an informational message indicating the number of lost CMS blocks.

Suggested Action: None.

DGT0115I Invalid CMS blocks: *number of CMS blocks*

Explanation: This is an informational message indicating the number of invalid CMS blocks.

Suggested Action: None.

DGT0116I Overlapping CMS blocks: *number of CMS blocks*

Explanation: This is an informational message indicating the number of overlapping CMS blocks.

Suggested Action: None.

DGT0117I Disk origin pointer: *disk origin pointer*

Explanation: This is an informational message issued by DFSMS CHECK indicating the disk origin pointer.

Suggested Action: None.

DGT0118I Files reported in directory: *number of files (Including DIRECTOR and ALLOCMAP)*

Explanation: This is an informational message issued by DFSMS CHECK indicating the files reported in the CMS directory.

Suggested Action: None.

DGT0119I Number of files found: *number of files*

Explanation: This is an informational message issued by DFSMS CHECK indicating the number of files found.

Suggested Action: None.

DGT0120I

Explanation: This is a blank line issued by DFSMS CHECK.

Suggested Action: None.

DGT0121E Insufficient free storage

Explanation: There is not enough virtual storage available to execute the DFSMS CHECK command. DFSMS CHECK issues return code = 104.

Suggested Action: Define additional storage and reissue the request.

DGT0122E Allocation map error. The expected level is *expected level*, the actual level is *actual level*, indicated in ALLOCMAP

Explanation: *Expected level* is the expected level and *actual level* is the actual level found in the ALLOCMAP. DFSMS CHECK found the PTR level is not the same as the PTR level indicated in the allocation map FST. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files on to a disk. Then reformat the source disk and copy the files back.

DGT0123E BLDLVL error found within ALLOCMAP routine

Explanation: A permanent I/O error has occurred while trying to read the minidisk directory. DFSMS CHECK issues return code = 201.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. A repair action may be required on the HDA containing the affected minidisk.

DGT0124W Block *blocknumber* is in use by the file: *fileid*

Explanation: *Block number* is the block number and *fileid* indicates the file that has a block in use more than once. DFSMS CHECK found that the block is used more than once. DFSMS CHECK issues return code = 4.

Suggested Action: You may be able to salvage files by copying all usable files on to a disk. Then reformat the source disk and copy the files back.

DGT0125E Error *error code* from RDTK during BLDLVL

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header and the *error code*.

DGT0126W Block *blocknumber* is invalid; used by: *fileid*

Explanation: *Block number* is the block number and *fileid* indicates the file name and file type. DFSMS found that *blocknumber* is invalid and used more than once. DFSMS CHECK issues return code = 4.

Suggested Action: Recreate the minidisk contents, using backup media, and contact the storage administrator.

DGT0127I Block *blocknumber* is lost

Explanation: The allocation map shows that block number *blocknumber* is allocated but no file is using this block. DFSMS CHECK issues return code = 4.

Suggested Action: Recreate the minidisk contents, using backup media, and contact the storage administrator.

DGT0128I FBA blocks: Total: *number of blocks* Usable: *number of blocks*

Explanation: This is an informational message issued by DFSMS CHECK indicating the total number of FBA blocks, and the number of usable blocks.

Suggested Action: None.

DGT0129I *var1*

Explanation: This is an informational message issued by DFSMS CHECK.

Suggested Action: None.

DGT0130I Internal error. Block *blocknumber*, FST pointer *FST pointer table address*: invalid flag bits

Explanation: An internal DFSMS error has occurred.

Suggested Action: Contact the IBM Support Center and provide the message header, the *blocknumber*, and the *FST pointer table address*.

DGT0131W Directory FST failed validation

Explanation: There has been directory damage.

Suggested Action: Contact the storage administrator.

DGT0132W Invalid directory file name. Hex value = *hex value of fn*

Explanation: *Hex value of fn* is the *fn* that DFSMS found in hexadecimal format. DFSMS CHECK issues return code = 4.

Storage Administrator Response: Recreate the damaged minidisk using backup media.

Suggested Action: Contact the storage administrator.

DGT0133W Invalid directory file type. Hex value = *hex value of ft*

Explanation: *Hex value of ft* is the *ft* that DFSMS found in hexadecimal format. The directory file has collapsed. This may be the result of multiple writes to the disk. DFSMS CHECK issues return code = 4.

Storage Administrator Response: Recreate the damaged minidisk using backup media.

Suggested Action: Contact the storage administrator.

DGT0135E This disk is formatted for the old (CDF) file system; CHECK cannot analyze it

Explanation: CHECK does not support a minidisk block size of 800. DFSMS CHECK issues return code = 200.

Suggested Action: DFSMS CHECK cannot be used for a minidisk with a block size of 800. Choose another method of validating this minidisk.

DGT0136E This disk is in OS format; CHECK cannot analyze it

Explanation: DFSMS CHECK only supports CMS format minidisks. DFSMS CHECK issues return code = 200.

Suggested Action: Either reformat the minidisk or verify that you have issued the CHECK to a CMS formatted minidisk.

DGT0137E This disk is in CP-owned format; CHECK cannot analyze it

Explanation: DFSMS CHECK only supports CMS format minidisks. DFSMS CHECK issues return code = 200.

Suggested Action: You must first FORMAT the minidisk to use DFSMS CHECK.

DGT0138E This disk has an invalid label *label*; CHECK cannot analyze it

Explanation: The minidisk has an invalid disk label as specified in the message. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0139E Error *error code* from DMSDIOLR when attempting to read the disk label

Explanation: An internal DFSMS error has occurred.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. Contact the IBM Support Center and provide the message header, *error code*, and any I/O error message that may have occurred.

DGT0140E Error *error code* from RDTK (DMSDIO) when attempting to read the first directory block, record *record*

Explanation: An internal DFSMS error has occurred.

Suggested Action: Check to see if a DASD I/O error message has been sent to the system operator. You may also want to run EREP to see if any permanent errors have been logged. Refer to *z/VM: System Operation* for more information. A repair action may be required on the HDA containing the affected minidisk. Contact the IBM Support Center and provide the message header, the *error code*, and any I/O error message that may have occurred.

DGT0141E Label damage. The block number of the first directory block is *blocknumber*. It should be either 4 or 5

Explanation: The disk origin pointer must be in block 4 or 5. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0142E Label damage. The block size reported in the label is *blocksize*. It should be either 512, 1024, 2048, or 4096

Explanation: The block size must be one listed in the message. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files

by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0143E Label damage. The number of formatted cylinders reported is greater than the number of cylinders on the disk. **ADTCYL (formatted):** *number of formatted cylinders*; **ADTMCYL (disk size):** *number of cylinders*

Explanation: *Number of formatted cylinders* is the number of formatted cylinders on the disk. *Number of cylinders* is the number of cylinders for this disk.

DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0145E Label damage. The number of CMS blocks reported is incorrect. **ADTNUM:** *reported number of blocks*; **should be:** *actual number of blocks*

Explanation: *Reported number of blocks* is total number of blocks reported for this minidisk. *Actual number of blocks* is the total number of blocks. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0146E Label damage. The number of CMS blocks reported in use is greater than the number of blocks on the disk. **ADTUSED (used):** *number of used blocks*; **ADTNUM (max):** *maximum number of blocks*

Explanation: *Number of used blocks* is the total number of blocks reported as used blocks. *Maximum number of blocks* is the maximum number of blocks for this minidisk. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0147E Label damage. The FST size reported is size; it should be 64

Explanation: The disk label is not correct. This may be caused by multiple write access to the minidisk. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0148E Internal error

Explanation: An internal logic error has occurred. DFSMS CHECK issues return code = 200.

Storage Administrator Response: Contact the IBM Support Center and provide the message header.

Suggested Action: Contact the storage administrator.

DGT0149E Label damage. The number of FSTs per CMS block is incorrect. **ADTNFST:** *reported number of blocks*; **should be** *actual number of blocks*

Explanation: The disk label is not correct. This may be caused by multiple write access to the minidisk. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0150I *Var1 var2 *var3**

Explanation: This is an informational message issued by DFSMS CHECK.

Suggested Action: None.

DGT0151E Directory file name should be: **X'00000001 0000000X'**

Explanation: The directory file name is invalid. Its name should be X'00000001 00000000'. DFSMS CHECK issues return code = 200.

Suggested Action: You may be able to salvage files by copying all usable files onto another minidisk. Then reformat the source minidisk and copy the files back.

DGT0152I Directory file type should be: **X'C4C9D9C5 C3E3D6D9'**

Explanation: The directory file type is invalid. Its *ft* should be X'C4C9D9C5 C3E3D6D9'. DFSMS CHECK issues return code = 200.

Suggested Action: Contact the storage administrator.

DGT0153E Device *devtype* is not a supported type

Explanation: The device, *devtype* is not supported by DFSMS CHECK. DFSMS CHECK issues return code = 200.

Suggested Action: Ensure that the specified device type is supported by DFSMS CHECK.

DGT0154I **Userid:** *userid* **Date:** *date* **Time:** *time*

Explanation: This is an informational message issued by DFSMS CHECK indicating the user ID, date, and time.

Suggested Action: None.

DGT0155I **CHECK** *var1*

Explanation: This is an informational message issued by DFSMS CHECK.

Suggested Action: None.

DGT0156E Invalid option: *option*

Explanation: The specified option *option* is invalid. DFSMS CHECK issues return code = 200.

Suggested Action: Reissue the request with valid options.

DGT0157E File name missing after FILE option

Explanation: The file name parameter is missing after the FILE option.

Suggested Action: Correct the syntax of the command and try the command again.

DGT0158E Options are conflicting options

Explanation: Options are conflicting options and cannot be specified for the same request. For example, both FILE and NOFILE cannot be specified at the same time. DFSMS CHECK issues return code = 200.

Suggested Action: Check DFSMS CHECK syntax and reissue the request.

DGT0160E Duplicate option: option

Explanation: An option has been specified more than once.

Suggested Action: Correct the syntax of the command and try the command again.

DGT0500E Error from CMS command CMS

command, return code = return code

Explanation: An attempt has been made to run CMS command, but an error occurs. Return code is the return code from the CMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Consult *z/VM: CMS Commands and Utilities Reference* for information associated with the command and attempt to resolve the condition that has caused the problem.

DGT0502E Insufficient free storage available

Explanation: An attempt has been made to obtain some storage, but there is not enough free storage available in the virtual machine to satisfy the request.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Free storage by releasing unneeded minidisks, exiting from inactive applications, or logging on with a larger virtual machine storage size.

DGT0505E Internal error from routine routine

number, return code = return code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the routine number and the return code.

Suggested Action: Contact the storage administrator.

DGT0506E Internal error from routine routine

number, return code = return code, status = status code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the routine number, the return code, and the status code.

Suggested Action: Contact the storage administrator.

DGT0507E Internal error from routine routine

number, return code = return code, reason code = reason code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the routine number, the return code, and the reason code.

Suggested Action: Contact the storage administrator.

DGT0508E Internal error from routine routine

number, return code = return code, reason code = reason code, status = status code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the routine number, the return code, the reason code, and the status code.

Suggested Action: Contact the storage administrator.

DGT0509E Internal error, return code = return code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and return code.

Suggested Action: Contact the storage administrator.

DGT0510E Internal error, return code = return

code, reason code= reason code

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the return code and the reason code.

Suggested Action: Contact the storage administrator.

DGT0511E Internal error, return code = return code, reason code = reason code, status = status code

Explanation: An internal DFSMS error has occurred.
System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *return code*, the *reason code*, and the *status code*.

Suggested Action: Contact the storage administrator.

DGT0513E Error from CSL routine *CSL routine*, return code = return code, reason code = reason code

Explanation: DFSMS has called CSL routine *CSL routine* to perform some processing, but an error has occurred. The return and reason codes from the CSL routine are given in *return code* and *reason code*.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Consult *z/VM: CMS Callable Services Reference* for the CSL routine and attempt to resolve the condition that caused the error.

DGT0514W Warning from CSL routine *CSL routine*, return code = return code, reason code = reason code

Explanation: DFSMS has called CSL routine *CSL routine* to perform some processing, but a warning condition has been returned. The return and reason codes from the CSL routine are given in *return code* and *reason code*.

System action: Processing continues.

Storage Administrator Response: None.

Suggested Action: Consult *z/VM: CMS Callable Services Reference* for the CSL routine and attempt to resolve the condition that caused the warning.

DGT1995E LEVELS option already specified

Explanation: The user has specified the LEVELS option more than once on a DFSMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax and try the command again.

DGT1996E VDEV and NOATTACH are conflicting options

Explanation: The user has specified both the VDEV and NOATTACH options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT1997E Missing DFSMSRM operands

Explanation: The user has not specified any DFSMSRM operands.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which operands are wanted and specify them when invoking the DFSMSRM command.

DGT1998E AUTOFILL and NOAUTOFILL are conflicting options

Explanation: The user has specified both the AUTOFILL and NOAUTOFILL options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT1999E RANDOM and SEQUENTIAL are conflicting options

Explanation: The user has specified both the RANDOM and SEQUENTIAL options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2000E DETAILS and NODETAILS are conflicting options

Explanation: The user has specified both the DETAILS and NODETAILS options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2001E **AUDIT and NOAUDIT are conflicting options**

Explanation: The user has specified both the AUDIT and NOAUDIT options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2002E **ATTACH and NOATTACH are conflicting options**

Explanation: The user has specified both the ATTACH and NOATTACH options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2003E **ASSIGN and NOASSIGN are conflicting options**

Explanation: The user has specified both the ASSIGN and NOASSIGN options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2004E **IDRC and NOIDRC are conflicting options**

Explanation: The user has specified both the IDRC and NOIDRC options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2005E **READONLY and READWRITE are conflicting options**

Explanation: The user has specified both the READONLY and READWRITE options on the DFSMSRM command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMSRM command.

DGT2006E **Error occurred before DFSMS could start processing your request**

Explanation: The DFSMS master virtual machine received your request, but an error occurred before a report file could be created. Therefore, no report file (if expected) is returned.

System action: None.

Storage Administrator Response: Review the DFSMS master log file or its console file to locate the message and determine the cause of the error.

Suggested Action: Contact the storage administrator.

DGT2007E **Invalid management class: *management class***

Explanation: The user has specified a value for management class that is incorrect.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax of the input value for management class and reissue the command.

DGT2008E **FORCE and NOFORCE are conflicting options**

Explanation: The user has specified both the FORCE and NOFORCE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2009E **Invalid operand: *operand***

Explanation: The user has specified an invalid operand.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the input value of the

operand and try the command again.

DGT2010E Missing user ID for FOR option

Explanation: The user has not specified a value for a CMS user ID.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Specify an input value for the user ID and try the command again.

DGT2011E Unexpected operand: *operand*

Explanation: The user has specified an unexpected operand.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2012E Invalid request identifier: *nnnn*

Explanation: The user has specified a request identifier that is not between 3 and 9999999, inclusive.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the request identifier and try the command again.

DGT2013E Invalid date: *date*

Explanation: The user has specified an invalid date or one not in the form of 'YYYYMMDD', where 'YYYY' is the year, 'MM' is the month, and 'DD' is the day.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the input value of the date and try the command again.

DGT2014E DFSMS master not running

Explanation: The application attempts to establish communications with the DFSMS master machine, but the APPC/VM connect request has been unsuccessful.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Reinitialize the DFSMS master machine.

Suggested Action: Contact the storage administrator and verify that DFSMS is operational.

DGT2015E Error occurred during DFSMS processing

Explanation: An error has occurred during DFSMS processing. Error messages associated with command processing are written to the DFSMS log files or DFSMS machine consoles, or both, if error message logging is enabled. Some DFSMS commands create a

report file and send that file to the issuer of the command. The report file can also be browsed for information pertaining to errors that have occurred.

System action: None.

Storage Administrator Response: Consult the DFSMS logs to see the error messages which have been issued. If you consult the DFSMS log files, the request ID of the DFSMS command can be used to reference the error messages for that command.

Suggested Action: If the issued DFSMS command returns a report file, consult the report file for details on the processing of the command. If you issued a DFSMS command that should have returned a report file to your reader but no file arrives or if you issued a DFSMS command that does not generate a report file, contact the storage administrator and supply the request ID of the DFSMS command submitted.

DGT2016E User not authorized to issue this command

Explanation: Some commands require special authorization. The user has attempted to issue a command for which the user is not authorized. The request is not processed.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: There are various ways in which a user may be authorized. If RACF/VM or an equivalent product is installed, authorize the user to access the appropriate RACF® entities. If the DFSMS authorization file is being used, ensure that the user's user ID is included in the authorization file. If the installation has replaced the FSMVAUTH installation-wide exit, ensure that the user is authorized according to the criteria required by the replacement CSL routine.

Suggested Action: If the user should be authorized to issue this command, contact the storage administrator.

DGT2017E FOR option already specified

Explanation: The user has specified the FOR option more than once on a DFSMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax and try the command again.

DGT2018E AS option already specified

Explanation: The user has specified the AS option more than once on a DFSMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax and try the command again.

DGT2019E OPTIMIZE option already specified

Explanation: The user has specified the OPTIMIZE option more than once on a DFSMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax and try the command again.

**DGT2020E Directory *dirid* accessed as file mode
file mode is under directory control**

Explanation: An attempt has been made to migrate a file that has the directory attribute set to DIRControl.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: If the user wants to migrate these files, the FILEControl attribute must be set for this directory.

DGT2021I DFSMS is stopping

Explanation: A DFSMS STOP is in process.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

**DGT2022E Communications could not be made
with DFSMS, return code = *return code***

Explanation: The application has attempted to establish communications with DFSMS/VM, but cannot. This may be because the DFSMS master machine is not active, or it may be because the SFS file pool server is not authorized to connect to the DFSMS master machine.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Ensure that the DFSMS master machine is logged on and active by issuing the DFSMS QUERY STATUS command. Autolog the DFSMS master if it is not logged on. If the DFSMS master machine is operational, determine the file pool to which the failing command has been directed and verify that the file pool has authority to connect to the DFSMS master machine. This is dependent upon the type of authorization the installation has chosen. Specific details concerning DFSMS authorization and the description of the FSMVAUTH installation-wide exit can be found in *z/VM: DFSMS/VM Customization*.

If return code 64900 is received and the DFSMS master machine is operational, check the following to resolve the error:

If the installation is using the DFSMS authorization file for authorization, the user ID of each file pool to be managed by DFSMS must be in the authorization file (DGTVAUTH DATA VMSYS:DFSMS.CONTROL).

If the installation is using RACF/VM, the user ID of each file pool to be managed by DFSMS must have read authority to the STGADMIN.APPC RACF/VM entity.

If the installation has replaced the FSMVAUTH installation-wide exit with its own installation-wide exit, the exit must be implemented to issue return code zero:

- When the user ID for a DFSMS-managed file pool is passed to the exit

- When the command passed to the exit is APPC

Suggested Action: Contact the storage administrator and verify that the DFSMS master machine is available and that each file pool to be managed by DFSMS/VM is authorized to connect to the DFSMS master machine.

**DGT2023E CSL routine error, reason code =
*reason code***

Explanation: The application has called a CSL routine, but an error has occurred. *Reason code* indicates the reason code that was returned by the CSL routine.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: If the reason code is not found in *z/VM: CMS Callable Services Reference* and the reason code is not 66100, contact the IBM Support Center and provide the message header and the *reason code*. Reason code 66100 indicates that the file pool server cannot access the DFSMS product code. Consult *z/VM: DFSMS/VM Customization* and *z/VM: DFSMS/VM Storage Administration* to verify that the file pool has been properly configured to access the DFSMS product code. For example, the file pool may not be linking to the DFSMS product code, or the file pool may not be authorized to access the DFSMS product code, or the DFSMS product code may not be accessed in the PROFILE EXEC file of the file pool server.

Suggested Action: Consult the “CSL Reason Codes” section of the *z/VM: CMS Callable Services Reference* manual for details on resolving the problem. If the reason code is not documented, contact the storage administrator.

DGT2024E Internal error

Explanation: An error has occurred on the DFSMS master machine that has prevented the user's request from being accepted.

System action: Command processing for this request is terminated.

Storage Administrator Response: None.

Suggested Action: Resubmit the request.

DGT2025E File mode *fm* not associated with a directory

Explanation: Either of two conditions may result in this message being issued:

1. The user has not specified a directory ID or a file mode for the command, and DFSMS has chosen the A disk as the default; however, the A disk does not resolve to a valid SFS directory.
2. The user has specified a file mode for the command; however the file mode that the user has specified does not resolve to a valid SFS directory.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Specify a file mode that is an accessed SFS directory and try the command again. Or, access an SFS directory as the A disk and try the command again.

DGT2026I DFSMS request *request id* accepted for processing

Explanation: The user's request has been accepted by DFSMS for processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

DGT2027I DFSMS request *request id* has completed. Report has been sent to your reader

Explanation: The user has made a request where WAIT has been specified. DFSMS has finished processing the request and has returned a file to the user's reader.

System action: Control will return to the invoker of the DFSMS command.

Storage Administrator Response: None.

Suggested Action: Examine the reader file.

DGT2028E File pool *file pool* is unavailable or unknown

Explanation: A DFSMS command has been issued that tried to perform an action on an SFS file pool that is not available.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Restart the file pool.

Suggested Action: Wait for the file pool to be restarted, or contact the storage administrator to have the file pool restarted.

DGT2029E File pool *file pool* is not managed by DFSMS

Explanation: A DFSMS command has been issued to a file pool that is not supported by DFSMS.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Refer to *z/VM: DFSMS/VM Customization* for instructions on how to set up the file pool to be DFSMS-managed.

Suggested Action: Contact the storage administrator.

DGT2030E Invalid filepoolid: *file pool*

Explanation: The user has specified a value for an SFS file pool that is incorrect.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax of the input value for file pool and try the command again.

DGT2031E Invalid userid: *userid*

Explanation: The user has specified a value for a CMS user ID that is incorrect.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax of the input value for the user ID and try the command again.

DGT2032E Invalid directory id: *dirid*

Explanation: The user has specified a value for a CMS directory ID that is incorrect.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax of the input value for directory identifier and try the command again.

DGT2033E Invalid operand: *operand*

Explanation: The user has specified an item that is longer than any possible item, or the user has specified something after the right parentheses [)] in the command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the syntax of the command and try the command again.

DGT2034E Invalid delete file token: *token*

Explanation: The user has specified a delete file token that is incorrect.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Consult the output of the DFSMS REPORT SPACEMANAGEMENT FILESPACE command from where the delete token has been obtained, correct the token, and try the command again.

DGT2035E Invalid storage group number: nnnn

Explanation: The user has specified a storage group identifier that is not between 2 and 32767, inclusive.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Correct the storage group identifier and try the command again.

DGT2036E No default file pool assigned

Explanation: Certain DFSMS commands use the current virtual machine file pool name when no file is specified on the command. However, there is no default file pool defined for this virtual machine. Therefore, DFSMS cannot determine the file pool for which this command has been directed.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Define a default file pool with the SET FILEPOOL command and try the command again, or explicitly specify the file pool when entering the command.

DGT2040E TYPE and NOTYPE are conflicting options

Explanation: The user has specified both the TYPE and NOTYPE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2041E INFO and NOINFO are conflicting options

Explanation: The user has specified both the INFO and NOINFO options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2042E FILE and NOFILE are conflicting options

Explanation: The user has specified both the FILE and NOFILE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been

checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2043E NEWDATE and OLDDATE are conflicting options

Explanation: The user has specified both the NEWDATE and OLDDATE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2044E WAIT and NOWAIT are conflicting options

Explanation: The user has specified both the WAIT and NOWAIT options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2045E QUIESCE and IMMEDIATE are conflicting options

Explanation: The user has specified both the QUIESCE and IMMEDIATE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2046E THRESHOLD and NOTHRESHOLD are conflicting options

Explanation: The user has specified both the THRESHOLD and NOTHRESHOLD options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been

checked and error messages generated (if an error is found on others) the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT2047E NOREDETERMINE and REDETERMINE are conflicting options

Explanation: The user has specified both the NOREDETERMINE and REDETERMINE options on the DFSMS command.

System action: The system continues checking for other mutually exclusive words. After all have been checked and error messages generated (if an error is found on others), the system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Determine which value is actually wanted and specify that value when invoking the DFSMS command.

DGT9988E ISMF command rejected, all file modes or virtual addresses are in use

Explanation: ISMF requires access to a product minidisk or SFS directory, and a file mode is not available to allow access to the product minidisk or SFS directory. Or, ISMF is unable to find a free virtual address to link to a product minidisk.

Suggested Action: Make a file mode or virtual address available by using the CMS RELEASE command. See *z/VM: CMS Commands and Utilities Reference* for additional information on the use of the RELEASE command.

DGT9989E ISMF command rejected; ISMF already processing

Explanation: The ISMF command is rejected due to a previous invocation of ISMF that is still outstanding.

Suggested Action: Wait until current ISMF processing has completed and then reissue the command or IPL CMS again and reissue the command.

DGT9990E You may need to re-IPL CMS

Explanation: An attempt has been made to invoke ISMF while a previous invocation of ISMF is still outstanding.

Suggested Action: Wait until current ISMF processing has completed and then reissue the command or IPL CMS again and reissue the command.

DGT9991E Unrecognized ISMF keyword: *keyword*

Explanation: The keyword issued, *keyword*, is not supported by ISMF.

Suggested Action: Reissue the correct keyword. For additional information on test mode keywords see the *ISPF Dialog Management Guide*.

DGT9992E ISMF syntax is: ISMF TESTMODE

Explanation: Incorrect syntax has been used; the correct syntax is: ISMF TESTMODE.

Suggested Action: Reissue the command or keyword using the correct ISMF syntax.

DGT9993E TESTMODE keywords are: TEST, TESTX, TRACE, or TRACEX

Explanation: TESTMODE has been incorrectly entered.

Suggested Action: Reissue ISMF TESTMODE using one of the following values for TESTMODE: TEST, TESTX, TRACE, or TRACEX.

DGT9994E You entered: ISMF *keyword1 keyword2*

Explanation: This is a display of the original entry.

Suggested Action: Check the original entry for incorrect syntax, and then reissue using the correct syntax: ISMF TESTMODE.

DGT9995E Invalid syntax; *keyword* not allowed

Explanation: The entry contained invalid syntax. The TESTMODE parameter, *keyword*, cannot be used if ISMF is invoked under the control of ISPF.

Suggested Action: Issue the ISMF command without a TESTMODE parameter.

DGT9996E *Keyword* accepted only when invoking ISMF under the control of CMS

Explanation: *Keyword* is allowed only when invoking ISMF from CMS.

Suggested Action: If you must invoke ISMF using *keyword*, you then need to invoke ISMF under the control of CMS.

DGT9997E *Var1 var2 var3* failed; return code = *return code*

Explanation: ISMF invoked a CMS command that returned a nonzero return code. *Var1 var2 var3* is the CMS command issued and *return code* is the return code.

Suggested Action: For ESTATE and COPYFILE failures, ensure that the DFSMS/VM product disk is accessed, and the disk label matches the one specified in the USER_INIT procedure in the ISMF EXEC. Release any currently accessed disks with the same label and reissue the ISMF command. For other errors, contact the IBM Support Center and provide the message header and *return code*.

DGT9998E ISMF error; return code = *return code*

Explanation: The ISPF ISPSTART command has terminated with a nonzero return code: *return code*.

Suggested Action: Using ISPSTART to invoke ISPF at any point other than the CMS ready command line causes unpredictable results. For additional information regarding the ISPSTART, see the *ISPF Dialog*

DGT9999E

Management Guide. If the problem persists, contact the IBM Support Center.

DGT9999E ISMF failed; unknown operating environment

Explanation: An error has occurred due to the inability to determine if the operating environment is a CMS or ISPF operating environment.

Suggested Action: Contact the IBM Support Center and provide the message header.

Chapter 3. DFSMS/VM FSM Messages

FSM0500E Error from CMS command *CMS command, return code = return code*

Explanation: An attempt has been made to process *CMS command*, but an error has occurred. *Return code* is the return code from the CMS command.

System action: The system action taken depends on the actual condition that caused the error, but DFSMS attempts to recover from the condition and continues processing. If processing cannot continue, DFSMS stops.

Storage Administrator Response: Consult *z/VM: CMS Commands and Utilities Reference* for information associated with the command and attempt to resolve the condition that has caused the problem.

Suggested Action: None.

FSM0502E Insufficient free storage available

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Increase the virtual machine storage size for the DFSMS machine that is experiencing insufficient storage problems.

Suggested Action: None.

FSM0503E Insufficient free storage available,
status = storage status

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request. *Storage status* is a value used by IBM for problem determination.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Increase the virtual machine storage size for the DFSMS machine that is experiencing insufficient storage problems. If insufficient storage problems continue, contact the IBM Support Center and provide the *storage status*.

Suggested Action: None.

FSM0505E Internal error from routine *routine number, return code = return code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a

critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, and the *return code*.

Suggested Action: None.

FSM0506E Internal error from routine *routine number, return code = return code, status = status code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *status code*.

Suggested Action: None.

FSM0507E Internal error from routine *routine number, return code = return code, reason code = reason code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *reason code*.

Suggested Action: None.

FSM0508E Internal error from routine *routine number, return code = return code, reason code = reason code, status = status code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, the *reason code*, and the *status code*.

Suggested Action: None.

FSM0509E Internal error, return code = return code

Explanation: An internal DFSMS/VM error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS

function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and the *return code*.

Suggested Action: None.

FSM0510E Internal error, return code = *return code*, reason code = *reason code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and the *return code*.

Suggested Action: None.

FSM0510W Internal warning return code = *return code*, reason code = *reason code*

Explanation: An internal DFSMS warning condition has occurred. This message should be of concern only if it appears frequently.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and the *return code*.

Suggested Action: None.

FSM0511E Internal error, return code = *return code*, reason code = *reason code*, status = *status code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *return code*, the *reason code*, and the *status code*.

Suggested Action: None.

FSM0513E Error from CSL routine *CSL routine*, return code = *return code*, reason code = *reason code*

FSM0513E Error from CSL routine *CSL routine*, return code = *return code*, reason code = *reason code*, file pool = *file pool*

FSM0513E Error from a CSL call, return code = *return code*, reason code = *reason code*

FSM0513E Error from a CSL call, return code = *return code*, reason code = *reason code*, file pool = *file pool*

Explanation: DFSMS/VM has called a CSL routine to perform some processing, but an error has occurred. The return and reason codes from the CSL routine are given in *return code* and *reason code*. The file pool to which the error applies may also appear in the message. The following lists reason codes that you may see and what these errors mean to DFSMS/VM. Also check *z/VM: CMS Callable Services Reference* for an explanation of the CSL reason code listed.

Reason Code

Description

44000 If the error occurred due to a FILEPOOL BACKUP or FILEPOOL RESTORE command, ensure that you have storage administrator authority to the migration level 1 file pool. If the error occurred due to a DFSMS MANAGE or a DFSMS CONVERT command, the storage group number that was contained in the command does not exist. Reissue the command with a valid storage group number. The storage group numbers can be obtained for any file pool by issuing the QUERY FILEPOOL STORGRP command.

50500 This error indicates that a file space does not have enough enrolled blocks to handle the file.

If the error occurred when migrating the file, check your secondary storage file space by issuing QUERY LIMITS. To correct this problem, either add more blocks to this file space by issuing the MODIFY USER command, or expire migrated files by issuing the MANAGE command.

If the error occurred when writing to the log file (log files will start writing to the consoles), then check the file space that stores the log files by issuing QUERY LIMITS. To correct the problem, either add more blocks to this file space by issuing the MODIFY USER command, expire log files by issuing the MANAGE command if the files are DFSMS-managed, or erase old log files manually if the files reside in a DFSMS directory.

Otherwise, check the file space where the error occurred by issuing QUERY LIMITS. Increase the number of blocks to this file space using the MODIFY USER command.

51000 This error indicates that your storage group space has been exceeded. This may occur in secondary storage, primary storage, or where your log files and work directories are located. To correct the problem (if the files are not in a

- DFSMS file space), expire some files by issuing the MANAGE command, or add minidisk space to the affected storage group by issuing the FILESERV MINIDISK command.
- If this error occurred on a MIGRATE, check your storage group space in secondary storage by issuing the QUERY FILEPOOL STATUS command.
- If this error occurred on a RECALL, check your storage group space in primary storage.
- Otherwise, check the storage group space where the error occurred.
- 81053** This reason code indicates a file pool error has occurred. However, other errors could also cause this error. If you locate this message in the log file, it should be followed by message FSM0518E that lists additional WUERROR information regarding the error. If the 81053 is issued because of a system deadlock, you will see reason code 2102 in message FSM0518E. If another reason code appears in that message, look for that reason code in the *z/VM: CMS Callable Services Reference*.
- For system deadlocks, the file or directory encountering the error is not processed. You may resubmit your command.
- 97250** The MAXCONN value of the virtual machine where this error has been detected may be too low. Increase or specify a larger MAXCONN value in the OPTIONS statement of the directory entry that defines the virtual machine. Refer to *z/VM: DFSMS/VM Customization* for directions on setting the MAXCONN value.
- If this message is followed by another message indicating that a MIGRATE has failed, check the MAXCONN of the machine running that migrate (DFSMS master or DFSMS server). To determine if the error was detected in the DFSMS master machine or in one of the DFSMS server machines, review the log files of each virtual machine and look for this message and reason code.
- 97280** This error indicates that the MAXCONN value specified in the directory entry for the virtual machine being connected to may be too low.
- If this message is followed by message FSM1112E, then check that the MAXCONN in the CP directory of the file pool indicated in the FSM1112E message is set correctly.
- If this message is followed by message FSM3131E or FSM3133E, then check that the MAXCONN in the directory of the file pool containing secondary storage is set correctly.
- 97400** This error indicates that either a file pool server is unavailable, or the USERS startup parameter in the DMSPARMS file on the file pool server is too low. If this error occurred on a MIGRATE or RECALL, check the USERS startup parameter in your secondary storage file pool. Otherwise, check the USERS startup parameter on the file pool where the error occurred. Increase the value in the USERS startup parameter. Refer to *z/VM: DFSMS/VM Customization* for directions on setting the USERS parameter.
- 97500** This error indicates that the file pool is unavailable or unknown. Either the file pool stopped due to errors, or it is not logged on. Investigate why the file pool stopped by checking the file pool server's console messages and correct the error. If the file pool is not logged on, autolog the virtual machine that runs the file pool.
- 98600** This error indicates that there is a problem with CRR. If you have secondary storage in a file pool separate from primary storage or your work directory is in a file pool separate from your DFSMS-managed file pools, CRR is required to complete commands successfully. Ensure the CRR server is available. Refer to *z/VM: CMS Callable Services Reference* for CRR commands.
- System action:** The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.
- Storage Administrator Response:** Consult *z/VM: CMS Callable Services Reference* for the CSL routine and attempt to resolve the condition that has caused the error.
- Suggested Action:** None.
-
- FSM0514W** Warning from CSL routine *CSL routine*, return code = *return code*, reason code = *reason code*
- Explanation:** DFSMS has called CSL routine *CSL routine* to perform some processing, but a warning condition has been returned. The return and reason codes from the CSL routine are given in *return code* and *reason code*.
- System action:** Processing continues.
- Storage Administrator Response:** Consult *z/VM: CMS Callable Services Reference* for the CSL routine and attempt to resolve the condition that caused the warning.
- Suggested Action:** None.
-
- FSM0515E** Installation-wide exit *exit name* exited with unexpected return code *return code*
- Explanation:** An installation-wide exit has returned with an unexpected return code. The *exit name* can be one of the following:
- DGTQAUTO
 - FSMACCNT
 - FSMVAUTH

FSM0516E

- FSMMECHK
- FSMRMATE
- FSMRMDEV
- FSMRMDTE
- FSMRMSHR
- FSMRMPRE
- FSMRMPRO

System action: The system action varies depending upon the exit that has been invoked:

Exit	System Action
------	---------------

DGTQAUTO

DFSMS continues initialization with the next server. If the server is not logged on, DFSMS attempts to autolog the server.

FSMACCNT

Any data placed in the buffer in this routine to modify the accounting record is ignored. DFSMS/VM continues processing as though return code 4 has been returned from the exit and the accounting record is not generated.

FSMVAUTH

The function for which authority is being checked is not performed and authorization fails. DFSMS/VM continues processing as though return code 8 has been returned from the exit.

FSMMECHK

If the file that has been passed to the exit was being processed by the MIGRATE command, and an unexpected return code is returned, the file is not be MIGRATED. If the file was being processed by the MANAGE command, and an unexpected return code is returned, the file is not MIGRATED or EXPIRED.

FSMRMATE

If the unexpected return code is returned when DFSMS/VM attempts to select and attach a device (because a device was not specified on the command), device selection continues with the next device. If the unexpected return code is returned when DFSMS/VM attempts to attach a device specified in a command, the function for which the device is being attached is not performed. DFSMS/VM continues processing as though return code 8 has been returned from the exit. If the unexpected return code is returned when DFSMS/VM attempts to attach the device to the user after primary processing of the request has completed, DFSMS/VM continues processing as though return code 8 has been returned from the exit.

FSMRMDEV

The function for which a device is being selected is not performed. DFSMS/VM continues as though return code 8 has been returned from the exit.

FSRMDTE

If the unexpected return code is returned when DFSMS/VM is attempting to detach a device specified in a command from the command requestor, the function for which the device is

being detached is not performed. DFSMS/VM continues processing as though return code 8 has been returned from the exit. If the unexpected return code is returned when DFSMS/VM is attempting to detach the device after primary processing of the request has completed, DFSMS/VM continues processing as though return code 8 has been returned from the exit.

FSRMSHR

The function for which library partitioning restrictions are being checked is not performed. DFSMS/VM continues processing as though returned code 8 has been returned from the exit.

FSRMPRE

The function for which installation-defined preprocessing has been called is not performed. DFSMS/VM continues processing as though returned code 8 has been returned from the exit.

FSRMPRO

This exit is called after primary processing of the request has been completed. DFSMS/VM continues processing as though return code 8 has been returned from the exit.

Storage Administrator Response: Examine the return code and verify that the exit is returning only those return codes which DFSMS/VM expects (as documented in the *z/VM: DFSMS/VM Storage Administration*).

Suggested Action: Contact the storage administrator.

FSM0516E Installation-wide exit *exit name* abended

Explanation: An installation-wide exit has abended. The *exit name* can be one of the following:

- DGTQAUTO
- FSMVAUTH
- FSMMECHK
- FSMACCNT

System action: The system action varies depending upon the exit that has been invoked:

Exit	System Action
------	---------------

DGTQAUTO

DFSMS continues initialization with the next server.

FSMVAUTH

The function for which authority was being checked is not performed. DFSMS continues processing as though return code 8 has been returned from the exit.

FSMMECHK

If the file that was passed to the exit was being processed by the MIGRATE command, MIGRATE processing terminates. If the file that was passed to the exit was being processed by the MANAGE command, MANAGE processing terminates.

FSMACCNT

Any data placed in the buffer in this routine to modify the accounting record is ignored. DFSMS/VM continues processing as though return code 4 has been returned from the exit and the accounting record is not generated.

Storage Administrator Response: Look for messages that indicate the reason for the CSL exit abend. If the CSL exit is provided by IBM, then contact the IBM Support Center for assistance. If the IBM-supplied version of the CSL exit has been replaced, then correct the problem.

Suggested Action: Contact the storage administrator.

FSM0518E Error in file pool *file pool*, return code = *return code*, reason *reason code 1*, warning reason *reason code 2*, reason augmentation *reason code 3*

Explanation: A DFSMS error has occurred. If the return code is 8 or greater, the reason code field should be reviewed. If the return code is a 4, the warning reason code field should be reviewed. An FSM0513 message is issued before the FSM0518 message. The FSM0513 message specifically indicates what CSL routine has been performed and the reason code for the error. The FSM0518 message provides additional information to help you resolve the problem. Generally, the information in the FSM0513 message is enough to determine the problem. However, in some instances, you also need the associated information in the FSM0518 to assist you in your problem determination. For example, if you get an FSM0513 error message with a reason code of 81053, this simply indicates that an error has occurred, but you cannot tell what error has occurred. The FSM0518 message provides the information that you need to determine the problem and the corrective action. If a file pool has ****, then the file pool name was not available at the time this message was issued.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Check the log for the FSM0513 message that should be paired with the FSM0518 message. Use the return codes and reason codes to determine and resolve the problem. If the reason codes indicate a problem that you are unable to resolve, contact the IBM Support Center and provide the message header, the *file pool*, *return code*, and *reason codes*.

Suggested Action: None.

FSM0520S Internal error, return code = *return code*, reason code = *reason code*

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM

Support Center and provide the message header, the *return code*, and the *reason code*.

Suggested Action: None.

FSM0521S Internal error, return code = *return code*, reason code = *reason code*, status = *status code*

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *return code*, the *reason code*, and the *status code*.

Suggested Action: None.

FSM1001E Authorization file not found

Explanation: An authorization file is required when both of the following are true:

- The installation has not replaced the authorization exit.
- RACF/VM 1.9 or a subsequent release is not installed or running.

System action: Commands requiring authorization fail.

Storage Administrator Response: Create the authorization file (DGTVAUTH DATA VMSYS:DFSMS.CONTROL) and ensure that all master and server virtual machines have administrator authority to the file pool VMSYS.

Suggested Action: None.

FSM1002S Abend occurred in the CSL routine FSMVAUTH

Explanation: DFSMS has invoked the CSL routine FSMVAUTH to perform authority checking, and the CSL routine has abended.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Look for messages that indicate the reason for the CSL routine abend. If the CSL routine is provided by IBM, then contact the IBM Support Center for assistance. If the IBM-supplied version of the CSL routine has been replaced, correct the problem.

Suggested Action: None.

FSM1004E Session authentication failed

Explanation: The DFSMS master machine or one of the servers attempted to open a session with the ML2 server, but the authentication process has failed.

System action: The session with the ML2 server is terminated. A command that exclusively needs the ML2 server (for example, recalling a file from ML2) will fail; however, a command that does not have an exclusive dependency on the ML2 server will continue.

Storage Administrator Response: Check to see that there is not a password mismatch between the ML2 server and DFSMS. If authentication is enabled on the ML2 server, the password parameter on the

MIGRATION_LEVEL_2 keyword in the DFSMS control file must match the password for the DFSMS node on the ML2 server. If the password has been changed in the DFSMS control file, the DFSMS master and server machines must be stopped and restarted in order for DFSMS to use the new password.

Note that the password parameter on the MIGRATION_LEVEL_2 keyword is not a required parameter. This allows an installation to run with authentication set off on the ML2 server.

Suggested Action: None.

FSM1100E Error from communication function
communication function, return code = return code

Explanation: A communications error has occurred. *Communication function* indicates which APPC/VM, IUCV, or TSM™ Sign On function has failed. *Return code* indicates the return code that has been returned from the APPC/VM, IUCV, or TSM Sign On function. Following is a table that relates the return code in the FSM1100 message to the particular IUCV or APPC function that has been invoked:

- 24—CONNECT function of APPC/VM
- 30—SENDDATA function of APPC/VM
- 48—RECEIVE function of APPC/VM
- 68—ACCEPT function of IUCV
- 72—HNDIUCV SET function of CMSIUCV
- 73—SIGNON function of TSM. The return code is set to the reject code returned from TSM
- 80—CONNECT function of IUCV
- 84—RECEIVE function of IUCV
- 88—SEND function of IUCV
- 92—SEVER function of IUCV

System action: If this error occurs on the user's machine, processing of the user's request stops. If it occurs on the DFSMS master machine or one of its servers, the particular request that is being processed stops, but processing continues on the machine.

Storage Administrator Response: Consult *z/VM: CP Programming Services* for information on the particular function that has failed. Consult the TSM documentation for information on the reject codes from the Sign On Response verb for communications function 73.

Suggested Action: Contact the storage administrator.

FSM1101E Communication error, *IDENT SEVER
reason code = reason code

Explanation: A communications error has occurred on an IUCV path to *IDENT, resulting in an IUCV SEVER.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: The *IDENT SEVER reason code can assist in determining the problem. Consult *IDENT SEVER reason codes in *z/VM: CP Programming Services*.

Suggested Action: Contact the storage administrator.

FSM1102E No file mode available for DFSMS

Explanation: DFSMS requires one free file mode in the virtual machine; however, a file mode is not available.

System action: DFSMS processing stops until a file mode is available.

Storage Administrator Response: Free at least one file mode in the virtual machine.

Suggested Action: None.

FSM1103E MAXCONN limit exceeded for this machine

Explanation: A communications error has occurred while attempting to connect to a DFSMS APPC/VM resource or to the ML2 server virtual machine.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Increase the number of allowable connections for your virtual machine by increasing the MAXCONN parameter of the OPTION control statement in the virtual machine's directory entry.

Suggested Action: Contact the storage administrator.

FSM1104E This machine not authorized to connect to *IDENT

Explanation: A communications error has occurred on an IUCV path to *IDENT.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Add the IUCV control statement to the directory entry which allows your virtual machine to connect to *IDENT.

Suggested Action: Contact the storage administrator.

FSM1105E MAXCONN limit exceeded for the DFSMS or RMS master machine

Explanation: A communications error has occurred while attempting to connect to a DFSMS resource.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Increase the MAXCONN limit in the directory entry for the DFSMS or RMS master machine. Refer to *z/VM: DFSMS/VM Customization*.

Suggested Action: Contact the storage administrator.

FSM1105E MAXCONN limit exceeded for the ML2 server

Explanation: A communications error has occurred while attempting to connect to the ML2 server.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Increase the MAXCONN limit in the directory entry for the ML2 server.

Suggested Action: Contact the storage administrator.

FSM1106E Machine not authorized to identify global resources

Explanation: A communications error has occurred while attempting to identify an APPC/VM global resource to *IDENT.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Add the GLOBAL keyword to the IUCV *IDENT statement in the DFSMS or RMS master machine's directory entry.

Suggested Action: Contact the storage administrator.

FSM1107E Machine not authorized to identify resource *communications resource*

Explanation: A communications error has occurred while attempting to identify a resource with *IDENT.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Add an IUCV control statement to the DFSMS or RMS master machine's directory entry that contains the correct resource (*resid*) or use the keyword RESANY. Refer to *z/VM: DFSMS/VM Customization* for recommendations.

Suggested Action: Contact the storage administrator.

FSM1108I APPC/VM path connection limit (or MAXCONN) for this machine is *number of connections*

Explanation: This message provides the current MAXCONN setting for the virtual machine.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: None.

FSM1109I Userid *target userid* severed attempted connection

Explanation: A source communicator has severed a connection before the DFSMS or RMS master was able to accept the connection.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: None.

FSM1110E ML2 server severed connection

Explanation: The ML2 server detected an error and severed a connection to this virtual machine.

System action: The request being processed fails, but DFSMS/VM continues.

Storage Administrator Response: Consult the virtual machine console for the ML2 server to determine why the ML2 server severed the connection and resolve the problem.

Suggested Action: None.

FSM1111E ML2 server refused connection from DFSMS

Explanation: A DFSMS virtual machine has attempted to connect to the ML2 server machine, but the connection is refused. This may occur when the ML2 server is logged on, but not active.

System action: The request that is being processed fails, but DFSMS continues.

Storage Administrator Response: Verify that the ML2 server is active. If the ML2 server is active, verify that the directory entries for the TSM and DFSMS virtual machines are correct.

Suggested Action: None.

FSM1112E Error processing file *fn ft dirid*

Explanation: There has been an error processing this file. See the accompanying FSM0513 message for details on the actual CSL routine that has failed and the accompanying return and reason code.

System action: The system action taken depends on the actual condition that caused the error, but DFSMS attempts to recover from the condition and continue processing, if possible. If processing cannot continue, the request that is being processed is cancelled.

Storage Administrator Response: Consult *z/VM: CMS Callable Services Reference* to resolve the problem.

Suggested Action: None.

FSM1120E ML2 server returned roll-back code = *roll-back code*

Explanation: DFSMS/VM was communicating with the ML2 server when the server encountered an error. *Roll-back code* indicates the vote field server roll-back code that has been returned from the ML2 server.

System action: The particular request that is being processed ends, but DFSMS continues processing with the next request.

Storage Administrator Response: Consult *WDSF/VM Programmer's Guide and Reference* for information on the vote field server roll-back code and resolve the problem.

Suggested Action: None.

FSM1200I The following files were assigned the new management class *name*:

Explanation: This message appears in the ALTER report when the new management class *name* has been assigned to one or more files.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM1201I FILENAME FILETYPE OLD MANAGEMENT CLASS

Explanation: This message appears in the ALTER report when a new management class has been assigned to one or more files.

System action: None.
Storage Administrator Response: None.
Suggested Action: None.

FSM1202W Management class *name* is not in the active configuration

Explanation: The new management class specified with the DFSMS ALTER request is not in the active configuration. The system rejects the request when the FORCE option is not specified and does not assign the new management class.

When the FORCE option is specified, the system assigns the new management class even though it is not in the active configuration. Therefore, it is recommended that the FORCE option be used with care since an invalid management class can result in files not being managed by DFSMS/VM. For more information on the FORCE option enter HELP DFSMS ALTER.

System action: The system will either assign the new management class or reject the request.
Storage Administrator Response: None.
Suggested Action: Verify that the new management class has been specified correctly.

FSM1203I *nnnn* files assigned the new management class

Explanation: This message appears in the ALTER report to indicate the number of files that have been assigned a new management class.

System action: None.
Storage Administrator Response: None.
Suggested Action: None.

FSM1204E Files in directory *dirid* cannot have their management class altered

Explanation: An attempt is made to change the management class of files in the directory, but the files in the specified directory cannot have their management class altered because the top directory begins with DFSMS.

System action: Processing of the request ends.
Storage Administrator Response: Rename the top directory or move the files to another file space whose top directory does not begin with DFSMS.
Suggested Action: None.

FSM1205E Directory *dirid* cannot have its management class altered

Explanation: An attempt is made to change the management class of the directory, but the specified directory cannot have its management class altered because the top directory name begins with DFSMS.
System action: Processing of the request ends.
Storage Administrator Response: Verify that the top directory name is specified correctly. Note that the top directory name cannot begin with DFSMS.
Suggested Action: None.

FSM1206E File *fn ft dirid* is not a base file

Explanation: The DFSMS ALTER command can only be used to alter the management class of base files. This message appears in the ALTER report when an attempt is made to change the management class of a file that is not a base file.

System action: Processing of the request ends.
Storage Administrator Response: The CMS QUERY ALIAS command can be issued to determine the base file name of an alias.
Suggested Action: None.

FSM1207I *Number of files files migrated to migration level 2*

Explanation: This message appears in the MIGRATE report to indicate the total number of files successfully migrated to migration level 2.

System action: None.
Storage Administrator Response: None.
Suggested Action: None.

FSM1208I *Number of files files recalled from migration level 2*

Explanation: This message appears in the RECALL report to indicate the total number of files successfully recalled from migration level 2.

System action: None.
Storage Administrator Response: None.
Suggested Action: None.

FSM1211I DFSMS *command* received from user *userid*, request identifier = *request id*

Explanation: The DFSMS master received a command from *userid*. The request has been assigned the specified request identifier. The request identifier is displayed when a QUERY command is issued and can be used to DISCARD the request.

System action: The system continues processing the request.
Storage Administrator Response: None.
Suggested Action: None.

FSM1212I DFSMS *command* restarted for *userid* *userid*, request identifier = *request id*

Explanation: During restart of DFSMS, the command submitted by *userid* has been restarted. DFSMS continues to use the request identifier assigned at the time the request was first submitted for processing. The request identifier is displayed when a QUERY command is issued and can be used to DISCARD the request.

System action: The system continues processing the request.
Storage Administrator Response: None.
Suggested Action: None.

FSM1213W DFSMS is unable to restart the command with request identifier *request identifier*

Explanation: During restart of DFSMS, a command submitted for processing prior to restart of DFSMS cannot be restarted due to an internal error. Check preceding messages for error indication.

System action: The system bypasses the command.

Storage Administrator Response: None.

Suggested Action: None.

FSM1214E File cannot be migrated because the associated base file is in a file space whose top directory name begins with DFSMS

Explanation: A request has been received to migrate an alias file and the base file resides in a file space whose first five characters of the top directory name begins with DFSMS. DFSMS/VM will not migrate a file from such a file space.

System action: The MIGRATE command ends.

Storage Administrator Response: None.

Suggested Action: Avoid creating alias files whose base file resides in a file space having a top directory name that begins with DFSMS. Note that files stored in a top level directory whose name starts with DFSMS cannot be migrated.

FSM1215E User ID *userid* is not enrolled in file pool *file pool*

Explanation: An attempt by DFSMS/VM to acquire storage group information for *userid* in *file pool* results in an error indicating that the user ID is not enrolled in the file pool. This can be either the migration level 1 file space specified in the DFSMS/VM control file or a user's file space.

System action: The report file is sent to the user, and processing of the request ends.

Storage Administrator Response: Verify that the user ID is enrolled in the file pool. Do not enroll the user ID in a file pool and storage group where migration level 1 is defined.

Suggested Action: Issue the QUERY ENROLL command to verify that the user ID is enrolled in the file pool, contact the storage administrator.

FSM1216E Directory *dirid* not found or the DFSMS master is not authorized

Explanation: This message appears in the MIGRATE and RECALL reports when either the named directory does not exist or the DFSMS master virtual machine has not been granted the proper authority to the file pool where the directory is defined.

System action: Processing of the request ends and the report is sent to the command issuer.

Storage Administrator Response: Verify that the DFSMS master virtual machine has been granted administrator authority to the file pool where the directory is defined.

Suggested Action: Verify that the directory does exist. If the directory exists, then contact your storage administrator.

FSM1217E File *fn ft dirid* not found or the DFSMS master is not authorized

Explanation: This message appears in the ALTER, MIGRATE, and RECALL reports when either the file does not exist or the DFSMS master virtual machine has not been granted the proper authority to the file pool where the file exists.

System action: Processing of the request ends and the report is sent to the command issuer.

Storage Administrator Response: Verify that the DFSMS master virtual machine has been granted administrator authority to the file pool where the directory is defined.

Suggested Action: Verify that the file does exist. If the file exists, then contact your storage administrator.

FSM1218E Management class of directory *dirid* not altered because it is identical to the new management class *name*

FSM1218E Management class of file *fileid* not altered because it is identical to the new management class *name*

Explanation: An ALTER request was submitted to change the management class of a directory or a file but has been rejected because the management class submitted with the request is identical to the management class currently assigned to the directory or file.

System action: None.

Storage Administrator Response: None.

Suggested Action: Check the specification of the new management class in the ALTER command. Verify that the new management class is spelled correctly, and the correct directory or file is specified.

FSM1300E User ID *userid* not authorized to generate an accounting record

Explanation: This message is issued when the user ID of the DFSMS virtual machine issuing the request is not authorized to use the account option.

System action: An accounting record is not generated.

Storage Administrator Response: Ensure that the ACCT operand has been specified on the OPTION control statement in the DFSMS master and server machine z/VM CP directories.

Suggested Action: None.

FSM1310W Accounting data is lost or inaccurate

Explanation: This message is issued when a DFSMS/VM error occurs that affects accumulation of accounting data.

System action: An accounting record may be

generated, but accounting data is not accurate. Processing continues.

Storage Administrator Response: Check the log messages for further information regarding the error.

Suggested Action: None.

FSM1320E Accounting record not generated

Explanation: This message is issued when an error occurs that prevents the generation of an accounting record.

System action: An accounting record is not generated. Processing continues.

Storage Administrator Response: Check the log messages for further information regarding the error.

Suggested Action: None.

FSM2000E Requested volume *vlabel* is a reserved volume; request identifier = *request id*, library name = *libname*

Explanation: The specified volume is reserved.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: None.

FSM2001E Maximum number of library system tokens exceeded; request identifier = *request id*, library name = *libname*

Explanation: An attempt to reserve a new category for a SET VOLCAT or SET VOLCAT BULK command, or for a MOUNT or DEMOUNT command that specified a target category has failed because the number of systems requesting categories exceeds 256.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: None.

FSM2002E All library categories are reserved; request identifier = *request id*, library name = *libname*

Explanation: An attempt to reserve a new category for a SET VOLCAT or SET VOLCAT BULK command, or for a MOUNT or DEMOUNT command that specified a target category failed because there are no more categories available.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: Unused categories may be released by the RESET VOLCAT command.

Suggested Action: None.

FSM2003E Request cancelled because the subsystem is functionally incompatible; request identifier = *request id*

Explanation: A requested operation has been received by the subsystem, but cannot be performed due to the state of the subsystem, its configuration, or the set of installed features.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: Contact the IBM Support Center and provide the message header.

Suggested Action: Contact the library administrator.

FSM2004E Tape device subsystem is in degraded mode; device = *rdev*, sense data = *sense data*

Explanation: A condition occurs on a device that causes the tape device subsystem to go into a degraded mode. This condition can cause degraded subsystem performance.

System action: The system continues operation.

Library Administrator Response: Contact the IBM Support Center and provide the message header.

Suggested Action: Contact the library administrator.

FSM2005E Request *request id*, cancelled because the device is offline; device = *rdev*, library = *libname*

Explanation: The specified drive is not online. The following conditions may cause this error:

- The device is switched offline
- The device power is switched off
- The device address is not set correctly

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: Check to see if the device is offline, powered off, or has an incorrect address.

Suggested Action: None.

FSM2006E Library I/O error; reason code = *reason code*, request identifier = *request id*, device = *rdev*, library = *libname*

Explanation: A library hardware error has occurred that prevents a request from completion. See the specific reason code for further information.

Reason Code

Significance

- 3332** Volume not in inventory — The requested volume has been deleted from the inventory
- 3348** Library volume misplaced — The specified volume has been misplaced
- 3500** Library attachment check
- 3504** Library manager offline
- 3508** Control unit and library manager error

3512	Library vision failure
3516	Library not capable
3600	Manual rewind/unload
3604	Degraded mode
3612	Bus-out parity check
3616	Channel interface permanent error
3620	Channel protocol error
3628	Channel protocol error
3636	Read data check
3640	Load display check
3644	Write data check
3652	Write ID mark check
3656	Unsolicited environment data
3660	Environmental data present
3664	Permanent equipment check
3668	Data security erase failure
3672	Not capable
3676	Write protected
3680	Tape void
3684	Tension loss
3688	Load failure
3692	Unload failure
3696	Drive equipment check
3700	End of data
3704	Tape length error
3708	Backward at beginning of tape
3712	Drive switched not ready
3716	Overrun
3720	Record sequence error
3724	Drive not ready
3732	Locate block unsuccessful
3740	Unsolicited sense
3744	Control unit ERP failed
3748	CU and drive incompatible
3752	Maximum block size exceeded
3756	Read buffered log overflow
3760	Read buffered log EOV
3764	Tape length incompatible
3768	Format 3480XF incompatible
3772	Format 34802XF incompatible
3780	Physical end of volume
3784	Recovered check one failure
3788	Global command intercept
3792	Compaction algorithm error
3796	Volume fenced
3800	Command reject

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: See "Library Hardware Error Reason Codes" on page 131

Suggested Action: None.

FSM2007E **Error occurred while attempting to confirm completion status of request = request id, completion status unknown**

Explanation: An error has occurred while attempting to determine the completion status for this request.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Use the DFSMSRM QUERY REQUEST command to determine the status of the request.

FSM2008E **Requested volume vlabel already in use; request identifier = request id, library name = libname**

Explanation: The specified volume is in use.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Reissue the request at a later time.

FSM2009E **Requested volume vlabel is not in the library; request identifier = request id, library name = libname**

Explanation: The specified volume is not in the specified library.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Check that the volume and library specified are correct. If they are correct, ask the library administrator to add the volume to the library.

FSM2010E **Requested category is empty; category = catname, library name = libname, request identifier = request id**

Explanation: The specified category does not have any volumes assigned to it, or the request requires a volume to be specified.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Assign volumes to this category or specify a volume in this category.

FSM2011E **Requested volume vlabel misplaced; request identifier = request id, library = libname**

Explanation: The requested volume cannot be located. It has been identified in the inventory as a misplaced volume.

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: Locate the misplaced volume and add it to the specified library.

Suggested Action: Contact the library administrator. Reissue the request once the volume has been located and added to the specified library.

FSM2012E Requested volume *vlabel* inaccessible; request identifier = *request id*, library = *libname*

Explanation: The requested volume is in a position that is inaccessible to the library.
System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: Pause the library and place the required volume where it can be accessed. Reissue the request.
Suggested Action: None.

FSM2013E Requested volume *vlabel* manually ejected; request identifier = *request id*, library = *libname*

Explanation: The requested volume has been assigned to the manual eject category.
System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: Insert the requested volume into the library.
Suggested Action: Ask the library administrator to insert the volume into the library.

FSM2014E Requested category in use; category = *catname* library = *libname* request identifier = *request id*

Explanation: The requested category is already in use.
System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: None.
Suggested Action: None.

FSM2015E Request *request id* cancelled because the device *rdev* is assigned elsewhere

Explanation: The requested device is not assigned to the system issuing the request.
System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: None.
Suggested Action: A different device address should be requested, or the request should be reissued at a later time.

FSM2016E Specified volume *vlabel* does not match the volume that is currently mounted on device *rdev*, request identifier = *request id*

Explanation: The volume that was specified on the DEMOUNT request does not match the volume that is currently mounted at that address.
System action: The system fails the current request

that it is attempting. DFSMS attempts to continue processing other requests.

Library Administrator Response: None.
Suggested Action: Check that the specified volume is correct, or reissue the request without specifying the volume.

FSM2017E Unrecognized I/O error, request identifier = *request id*, device = *rdev*

Explanation: An unrecognized I/O error condition has occurred.
System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: Contact the IBM Support Center and provide the message header.
Suggested Action: None.

FSM2018E Request cancelled because of a library sequence-check, request identifier = *request id*, reason code = *reason code*

Explanation: A library sequence-check has occurred. See the specific reason code for further information.

Reason Code

Significance

- 3364** Mount is in progress or volume is mounted
- 3368** Mount is already pending
- 3372** Demount was already pending
- 3376** No volume is mounted

System action: The system fails the current request that it is attempting. DFSMS attempts to continue processing other requests.
Library Administrator Response: None.
Suggested Action: None.

FSM2019E Sense Data =

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX ...

Explanation: Sense data associated with messages FSM2003, FSM2006, FSM2017.
System action: None.
Library Administrator Response: None.
Suggested Action: None.

FSM2020I DFSMS was terminated before the completion status of request = *request id* could be confirmed

Explanation: DFSMS has accepted the STOP command for processing and terminates before the request is complete.
System action: DFSMS shuts down.
Storage Administrator Response: None.
Suggested Action: None.

FSM2021E Request *request id* could not be completed successfully because of a load failure for device *rdev*.

Explanation: The mount failed due to a load failure. Two successive load failures will result in the device being made unavailable.

System action: DFSMS fails the current request that it is processing and attempts to continue processing other requests. For failures with a 3140 reason code, RMS will vary the device offline to CP.

Library Administrator Response: None.

Suggested Action: Reissue the request to the same device or to another device. If the device was varied offline, resolve the device failure than vary the device back online.

FSM2022E Request *request id* could not be completed successfully because volume *vlabel* is damaged. The volume is being ejected from the library.

Explanation: The request failed because the hardware has detected that the volume is physically damaged. Since the volume cannot be used, it is ejected from the library.

System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Examine the tape cartridge, correct the damage, reinsert the volume into the library, and then reissue the command. Or, reissue the command using a different volume.

FSM2023I Device *rdev*,TVOL,severity *sev*,VOLUME=*vlabel*,MC=*mcode*, ES=*emcode*,RC=*rcode-mid-fid*

Explanation: Informational message from 3590 tape subsystem where:

rdev real device address

sev severity

vlabel volume label

mcode message code

emcode exception message code

rcode reference code

mid media identifier

fid format identifier

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2024I Device *rdev*,TCU,*type-mod*,severity *sev*,SER=*mmpp-ssss*,MC=*mcode*,ES=*emcode*, RC=*rcode-mid-fid*

FSM2024I Device *rdev*,TAPE,*type-mod*,severity *sev*,SER=*mmpp-ssss*,MC=*mcode*,ES=*emcode*, RC=*rcode-mid-fid*

FSM2024I Device *rdev*,TLIB,*type-mod*,severity *sev*,SER=*mmpp-ssss*,MC=*mcode*,ES=*emcode*, RC=*rcode-mid-fid*

Explanation: Informational message from 3590 tape subsystem where:

rdev real device address

type-mod machine type and model

sev severity

mmpp-ssss Manufacture, Plant manufacture-Machine sequence number

mcode message code

emcode exception message code

rcode reference code

mid media identifier

fid format identifier

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2025E The invoker already has diag 254 environment for the specified subsystem

Explanation: z/VM DIAGNOSE 254 detects a condition where this user already has DIAGNOSE 254 active for the specified subsystem.

System action: DFSMS terminates operation.

Library Administrator Response: Contact your DFSMS/VM product support personnel.

Suggested Action: None.

FSM2026E Another user currently has Diag 254 environment active for the specified subsystem

Explanation: z/VM DIAGNOSE 254 detects a condition where another user has a DIAGNOSE 254 active for the specified subsystem.

System action: DFSMS terminates operation.

Library Administrator Response: Locate the user who has the DIAGNOSE 254 environment active.

Suggested Action: None.

FSM2027E A CP close connection function is currently pending for the specified subsystem

Explanation: z/VM DIAGNOSE 254 detects a condition where a close pending is active.

System action: DFSMS terminates operation.

Library Administrator Response: None.

Suggested Action: Re-IPL CMS.

FSM2028E The specified subsystem does not exist in VM real IO configuration

Explanation: z/VM DIAGNOSE 254 could not locate a tape drive in connection with the tape subsystem specified in the configuration.

System action: DFSMS terminates operation.

Library Administrator Response: Make at least one ATL tape drive available to the z/VM system and re-IPL DFSMS.

Suggested Action: None.

FSM2029E The specified subsystem is not supported by VM for Diagnose 254.

Explanation: The specified tape subsystem is not an automated tape library.

System action: DFSMS terminates operation.

Library Administrator Response: The sequence number specified in the RM_AUTO_LIBRARY statement in the DGTVCNTL DATA file points to a non-automated tape subsystem.

Suggested Action: None.

FSM2030E The invoker is a V=R or V=F guest

Explanation: z/VM DIAGNOSE 254 does not support V=R or V=F guest.

System action: DFSMS terminates operation.

Library Administrator Response: Remove the V=R or V=F OPTION from the user directory then update the directory. Re-IPL CMS after the directory has been updated.

Suggested Action: None.

FSM2031E The invoker is in 370 mode

Explanation: z/VM DIAGNOSE 254 does not support a guest whose virtual machine runs in 370 mode.

System action: DFSMS terminates operation.

Library Administrator Response: None.

Suggested Action: Enter a CP SET MACHINE XA or CP SET MACHINE ESA then re-IPL CMS.

FSM2100E Request *request id* could not be completed because conflicts were encountered while processing request parameters; reason code = *reason code*

Explanation: The request parameters are in conflict with each other or with the allowable values for the particular request.

System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Reissue the command after correcting the conflicting parameters. See the specific reason code for further information.

**Reason Code
Significance**

3000 Specified device does not reside in specified library.

3004 Source category not defined for input library, or for library in which specified device resides.

3008 Specified real device is undefined to the RMS master.

3016 NOIDRC has been specified on a request bound for an automated library. All devices in automated libraries are IDRC-capable.

3020 The library name specified on the command is not defined in the DFSMS control file.

3024 Target category not defined for input library, or for library in which specified device resides.

3028 Target or source category defined for mount issued to manual library.

FSM2101E A failure occurred forwarding request *request id* to the manual library *library name*

Explanation: DFSMS attempts to forward the request to the library operator for the specified library, but a failure occurs while sending the message.

System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.

Library Administrator Response: Details about the failure can be found in the DFSMS log.

Suggested Action: Contact the library administrator.

FSM2102E Request identifier = *request id*: Manual library requests are not valid for this request type

Explanation: A command such as QUERY or SET has been issued specifying a manual library name. This command cannot be issued to a manual library.

System action: DFSMS fails the current request that it is processing and attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: None.

FSM2103E Request identifier = *request id*: Installation-wide exit *installation exit* indicates that processing should not be allowed to continue

Explanation: Processing of the requested operation has been stopped on the instructions of an installation-wide exit.

System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Refer to the following information for the specified exit.

**Exit Name
Significance**

FSMRMATE

The specified real device cannot be attached by the RMS master.

FSMRMDTE

The specified real device cannot be detached by the RMS master.

FSMRMDEV

A real device cannot be located to process the command.

FSMRMPRE

Installation-defined prepro- cessing stopped processing of the command.

FSMRMSHR

Installation-defined library partitioning criteria would be violated by this command.

DEMOUNTed before command completion was returned to RMSMASTR.

FSM2104W An error occurred in request *request id* after primary processing of the command completed; reason code = *reason code*

Explanation: An error has been encountered after primary processing of the command completed.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: See the specific reason code for further information.

Reason Code

Significance

- 3200** Errors occurred during installation-defined command post-processing.
- 3204** Errors occurred attempting to set logical write protect for the device after the volume was mounted.
- 3208** Errors occurred attempting to detach the device from the RMS master or attach it to the user. The device may still be attached to the RMS master, or it may be free.
- 3212** Errors occurred in installation-defined detach processing. The device may still be attached to the RMS master.
- 3216** Errors occurred in installation-defined attach processing. The device may be left free.
- 3220** On a DEMOUNT command, the DEMOUNT is completed but the volume category cannot be changed to the specified target category.
- 3304** The volume's external label cannot be verified because the label is unreadable.
- 3512** The volume's external label cannot be verified because the library's vision system is not operational.
- 3520** On a MOUNT command, the MOUNT completed however it has subsequently been

FSM2105E ATTACHTO user *userid* specified in request *request id* is not logged on

Explanation: The request is not processed because the virtual machine indicated by *userid* that the device attaches to is not logged on.
System action: DFSMS fails the current request it is processing and attempts to continue processing other requests.
Library Administrator Response: None.
Suggested Action: Verify that the ATTACHTO user ID has been correctly specified and is logged on. Reissue the command.

FSM2106I MOUNT VOL *vlabel* FOR USER *userid*; NOATTACH READONLY/READWRITE IDRC/NOIDRC

Explanation: This message is sent to the library notify user ID when the RMS master receives a MOUNT request specifying a manual library name.
System action: DFSMS continues processing the next request.
Library Administrator Response: Mount the requested volume.
Suggested Action: None.

FSM2107E Volume *vlabel* conflicts with installation-defined partitioning criteria

Explanation: The specified volume cannot be processed because it conflicts with library partitioning criteria as defined by the FSMRMSHR installation-wide exit. The volume was encountered while processing new volumes that were inserted into the library, or during processing of a DFSMSRM SET VOLCAT BULK command.
System action: The category of the specified volume is unchanged. DFSMS continues processing other volumes.
Library Administrator Response: The volume may belong to a different system, or it may need a new label in a range that belongs to this system. Alternatively, the volume range partitioning criteria may need to be adjusted.
Suggested Action: Ensure that the correct volume has been specified.

FSM2108E Request *request id* could not be completed because the category *category name* is not currently assigned to device *device address*

Explanation: The specified category has not been assigned to the specified device at the time of the request.
System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.
Library Administrator Response: None.

Suggested Action: Reissue the command specifying the correct category or the correct device, or reissue the command without specifying a category.

FSM2109E Request *request id* could not be completed because the source category *category name* does not match the current assignment of the volume *volname*

Explanation: The source category specified did not match the assigned category of the volume at the time of the request.

System action: DFSMS fails the current request that it is processing, and attempts to continue processing other requests.

Library Administrator Response: None.

Suggested Action: Reissue the command specifying the correct source category or reissue the command without specifying a source category.

FSM2110E Request *request id* could not be completed, reason code = *reason code*

Request *request id* could not be completed, reason code = *reason code*, completion code = *completion code*

Explanation: An abnormal condition has occurred while issuing an I/O operation to the device.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: See the specific reason code for further information.

Reason Code

Significance

- 3120** The library is in the paused state and the installation has specified that requests should not be queued when the library is paused.
- 3140** The device became unavailable while the request was being processed.
- 3160** A MOUNT request failed with the library hardware indicating a logical volume mount has failed.
- 3320** A hardware failure condition occurred at the time the request was issued.

Completion Code

Significance

- 16** Internal error detected
- 17** Resend special case
- 32** Specific volume in use on another cluster
- 33** Scratch volume selected in use on another cluster
- 34** Valid volume inaccessible

- 35** Local cluster path to volume's data no longer available
- 36** Remote cluster path to volume's data no longer available
- 37** Copy required, but cluster copying prohibited
- 48** Local cluster recall failed, stacked volume misplaced
- 49** Local cluster recall failed, stacked volume inaccessible
- 50** Local cluster recall failed, stacked volume unavailable
- 51** Local cluster recall failed, stacked volume no longer in library
- 52** Local cluster recall failed, stacked volume load failed
- 53** Local cluster recall failed, stacked volume access error
- 56** Remote cluster recall failed, stacked volume misplaced
- 57** Remote cluster recall failed, stacked volume inaccessible
- 58** Remote cluster recall failed, stacked volume unavailable
- 59** Remote cluster recall failed, stacked volume no longer in library
- 60** Remote cluster recall failed, stacked volume load failed
- 61** Remote cluster recall failed, stacked volume access error
- 64** Insufficient cache space

FSM2113E Unexpected return code from CP *command name* command; return code = *return code*

Explanation: The specified CP command has completed unsuccessfully.

System action: DFSMS continues operation.

Library Administrator Response: Consult *z/VM: CP Commands and Utilities Reference* for more information on the specific command.

Suggested Action: None.

FSM2118E Request *request id* cancelled because the library *libname* is in manual mode

Explanation: The QUERY LIBRARY VOLUME (AUDIT) request cannot be processed, because the library is currently in manual mode.

System action: DFSMS fails the current request, and attempts to continue operation.

Library Administrator Response: None.

Suggested Action: Reissue the request after the library has been returned to the automated state.

FSM2119E Request *request id* was cancelled by a subsequent operation

Explanation: The command has been cancelled at the library manager due to order sequence (for example, a pending MOUNT request was cancelled by a subsequent DEMOUNT).

System action: DFSMS fails the current request, and attempts to continue operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2120I Request *request id* complete; volume *vlabel*, category *catname*, mounted on device *rdev* in library *libname*

Explanation: The MOUNT command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2121I Request *request id* complete; Volume *vlabel* demounted from device *rdev*

Explanation: The DEMOUNT command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2122I Request *request id* complete; volume *vlabel* assigned to category *catname*

Explanation: The SET VOLCAT command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2123I Request = *request id*: Bulk processing completed. A report file has been sent to your reader.

Explanation: The SET VOLCAT BULK command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2125I Request *request id*: device *rdev* attached to *userid* as *vdev*; access mode = *access mode*

Explanation: This message accompanies message FSM2120 and specifies where the device has been attached, the virtual address and access mode, following the completed MOUNT operation. The access mode will be READONLY or READWRITE.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2126I Request *request id*: device *rdev* remains free; access mode = *access mode*

Explanation: This message accompanies message FSM2120 when the NOATTACH option is specified on the DFSMSRM MOUNT command. The access mode will be READONLY or READWRITE.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2127I Request *request id* complete; demount completed without label verification

Explanation: The DEMOUNT command has completed, but the external label of the volume has not been verified. This may have occurred because the request has completed during restart. If the volume to be demounted has been specified on the DEMOUNT command, the RMS master can not verify that the actual volume demounted is the one specified in the request.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2128I Request *request id* could not be completed due to restart

Explanation: The request could not be completed because DFSMS is restarting.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: Reissue the request.

FSM2130E Inserted volumes for library *library name* could not be processed because an available device could not be found

Explanation: New volumes have been inserted into the designated library, but the RMS master is not able to process them because no available device can be found.

System action: Automatic volume insert processing is not attempted. DFSMS continues processing other requests. Those volumes that remain in the insert category will be processed the next time that new volumes are inserted into the library.

Library Administrator Response: The volumes can be processed by issuing a DFSMSRM SET VOLCAT or DFSMSRM SET VOLCAT BULK command, specifying an available device. Details regarding the failure may be found in the RMS master log file.

Suggested Action: None.

FSM2131I Request *request id* complete; Category *catname* assigned to device *rdev*

Explanation: The SET DEVCAT command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2132I Request *request id* complete; Category *catname* unassigned from device *rdev*

Explanation: The RESET DEVCAT command has completed successfully.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2133I Automatic volume insert processing started for library *library name*

Explanation: This message is the second header message (following message FSM3000) for the report file generated by automatic volume insert processing.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2134E Inserted volumes not processed for library *library name* because an internal error was encountered

Explanation: An internal error is encountered during automatic volume insert processing.

System action: Automatic volume insert processing is stopped. DFSMS attempts to continue operations.

Library Administrator Response: Details regarding the cause of the failure can be obtained from the RMS master log file. DFSMS attempts to process those volumes that remain in the insert category the next time new volumes are added to the library. Alternatively, the volumes can be processed by issuing a DFSMSRM SET VOLCAT or DFSMSRM SET VOLCAT BULK command.

Suggested Action: None.

FSM2135I Automatic volume insert processing completed; *number* volumes successfully processed

Explanation: This message is the last message for the automatic volume insert report file. The number of volumes processed indicates the number of volumes that have been successfully set to a new category.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2136W A failure occurred attempting to detach device *rdev* following automatic volume insert processing

Explanation: The specified device cannot be detached from the RMS master following the completion of automatic volume insert processing.

System action: DFSMS continues processing.

Library Administrator Response: Determine the current state of the device by issuing a CP QUERY (real device) command. If the device is still attached to the RMS master, attempt to detach it. Details regarding the failure can be found in the RMS master log file.

Suggested Action: None.

FSM2137W Inserted volumes were processed for library *library name* but the report file could not be sent

Explanation: Automatic volume insert processing processed volumes that had been inserted into the designated library, but a failure has occurred attempting to send the report file to the designated library notify user ID.

System action: DFSMS continues operation.

Library Administrator Response: Details regarding the cause of the failure can be obtained from the RMS master log file.

Suggested Action: None.

FSM2138W A failure occurred attempting to assign inserted volume *vlabel* to a new category

Explanation: This message may appear in the automatic volume insert report file if a volume cannot be processed. This failure may occur because the volume is not listed in the bulk insert list, because it conflicts with library partitioning criteria as defined in FSMRMSHR or FSMRMPRE, the installation-wide library partitioning exit or preprocessing exit, or because an internal error has occurred.

System action: The category of the specified volume is not changed. Automatic volume insert processing continues.

Library Administrator Response: Details regarding the cause of the failure can be obtained from the RMS master log file or the previous message in the report file, or both.

Suggested Action: None.

FSM2139I Volume *vlabel* assigned to category *category name*

Explanation: This message may appear in the automatic volume insert report file or the SET VOLUME BULK command report file, once for each volume that is successfully processed.

System action: Processing continues.

Library Administrator Response: None.

Suggested Action: None.

FSM2150I SET VOLUME BULK processing started using file *filename filetype directory id*

Explanation: This message is the second header message for the report file generated by SET VOLUME BULK processing.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2151I SET VOLUME BULK processing completed; *number* volumes successfully processed

Explanation: This message is the last message for the SET VOLUME BULK command report file. The

number of volumes processed indicates the number of volumes that have been successfully set to a new category.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2152E Bulk processing file, file ID *filename filetype directory id*, not found or contains no records

Explanation: The file specified for bulk processing cannot be located or contains zero records.

System action: The bulk processing fails. DFSMS attempts to continue processing requests.

Library Administrator Response: Ensure that the bulk processing file specified exists and contains one or more records.

Suggested Action: None.

FSM2153E Bulk processing file, file ID *filename filetype directory id* has a record length that is invalid

Explanation: The file specified for bulk processing has a record length greater than 240.

System action: The bulk processing fails. DFSMS attempts to continue processing requests.

Library Administrator Response: Make sure the bulk processing file specified has a record length no greater than 240.

Suggested Action: None.

FSM2154E Bulk processing file, file ID *filename filetype directory id* contains invalid records

Explanation: The file specified for bulk processing contains one or more records that are invalid. An invalid record is one that is either not specified in the correct format or one that contains an invalid volume label, an invalid range of volume labels, or an invalid category.

System action: The bulk processing fails. DFSMS attempts to continue processing requests.

Library Administrator Response: See the RMS master log file to determine exactly which records are invalid and then correct them.

Suggested Action: None.

FSM2155E Volume *volname* is not specified in an appropriate record in the bulk processing file, file ID *filename filetype directory id*

Explanation: Either the volume is not specified in the bulk processing file or it is specified in a record with a source category other than INSERT.

System action: The category of the specified volume is not changed. Automatic insert processing continues.

Library Administrator Response: Add the specified volume to the bulk processing file in a record that either does not specify the source category name or specifies INSERT as the source category name.

Suggested Action: None.

FSM2156E Record number *record number* in bulk processing file, file ID *filename filetype directory id* is invalid

Explanation: The record in the bulk processing file specified is invalid. An invalid record is one that is either not specified in the correct format or one that contains an invalid volume label, an invalid range of volume labels, or an invalid category.

System action: The bulk processing fails. DFSMS attempts to continue processing requests.

Library Administrator Response: Correct the specified record in the bulk processing file.

Suggested Action: None.

FSM2157W A failure occurred attempting to assign volume *vlabel* to category *category name*

Explanation: This message may appear in the report file for the SET VOLUME BULK function if a volume cannot be processed. This failure may occur because the volume was not found in the specified source category, because it conflicts with library partitioning criteria as defined in FSMRMSHR or FSMRMPRE, the installation-wide library partitioning exit or preprocessing exit, or because an internal error has occurred.

System action: The category of the specified volume is not changed. Processing of the rest of the volumes in the bulk file continues.

Library Administrator Response: Details regarding the cause of the failure can be obtained from the RMS master log file or the previous message in the report file, or both.

Suggested Action: None.

FSM2160I Library *libname* is in *opstate* mode

Explanation: The specified library is in the specified mode of operation. This message is presented in response to a DFSMSRM QUERY LIBRARY OPSTATE command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: Refer to the following information for an explanation of the specified mode.

opstate **Significance**

automated

The library is in the normal automated operational mode.

paused

All mechanical library activity has stopped. The library manager continues to accept commands.

manual

All mechanical library activity has stopped. The library manager is providing instructions to the operator.

FSM2161I Library *libname* in degraded mode

Explanation: An element of the library has failed and the library is operating in a degraded mode. Some performance degradation may be experienced. Subsequent messages provide greater detail. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2162I The safety enclosure interlock is open; library = *libname*

Explanation: The safety enclosure interlock has been opened. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Close the safety enclosure interlock.

Suggested Action: None.

FSM2163I The vision system is not operational; library = *libname*

Explanation: The vision system has failed. Some operations cannot be performed, others are completed with warnings. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2164I Library *libname* is offline to the subsystem

Explanation: The library is offline to the 3490 subsystem and does not accept any commands. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2165I Library *libname* requires operator intervention

Explanation: One or more conditions have occurred that require operator assistance to resolve. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Consult the library manager console for more information.

Suggested Action: None.

FSM2166I Library *libname* has encountered an unrecoverable error condition

Explanation: The library has encountered an unrecoverable (Check 1) condition. All prior accepted library operations and pending responses are lost. The library manager is offline to the subsystem. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2167I All storage cells are full; library = *libname*

Explanation: All storage cells in the library are used. No new volumes can be inserted into the library. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: If unneeded volumes are in the library inventory they may be ejected with a SET VOLUME CATEGORY EJECT command.

Suggested Action: None.

FSM2168I Library *libname* is out of cleaner volumes

Explanation: The library is out of cleaner volumes, and a clean operation is required. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Insert some cleaner volumes into the library.

Suggested Action: None.

FSM2169I **DFSMSRM request *request id* completed. Report has been sent to your reader**

Explanation: A QUERY LIBRARY request has been made specifying the DETAILS option.

System action: DFSMS has finished processing the request and returns a report file to the user's reader.

Storage Administrator Response: None.

Suggested Action: Examine the reader file.

FSM2170E **Unexpected library status returned**

Explanation: This message is in response to a QUERY LIBRARY command with the DETAILS option specified. The library hardware has returned unexpected status; therefore all information reported may be incorrect.

System action: DFSMS continues operation.

Library Administrator Response: Check the library hardware.

Suggested Action: None.

FSM2171I **Library *libname*, Volume *vlabel*, Details. Date: *date***

Explanation: This message is the first line of the report header for the DFSMSRM QUERY LIBRARY VOLUME command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2172I **Library *libname*, Opstate, Details. Date: *date***

Explanation: This message is the first line of the report header for the DFSMSRM QUERY LIBRARY OPSTATE command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2173I **Library *libname*, Device *rdev*, Details. Date: *date***

Explanation: This message is the first line of the report header for the DFSMSRM QUERY LIBRARY DEVICE command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2180I **Library *libname*, Category *catname*, Inventory *date time***

Explanation: This message is the first line of the report header for the QUERY LIBRARY INVENTORY command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2181I **Category Name Volume PI MQ EP EJ MP UL MM ME CLASS TYPE**

Explanation: This message is the second line of the report header for the QUERY LIBRARY INVENTORY command. The column headers are defined as follows:

PI Volume is present in library, but is inaccessible.

MQ Volume is mounted or queued for mount.

EP Volume is eject pending.

EJ Volume is in the process of being ejected.

MP Volume is misplaced.

UL Volume has an unreadable label or is unlabeled.

MM Volume has been used during manual mode.

ME Volume has been manually ejected.

Class Class of volume.

Type Type of media.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2182I **Catname *vlabel* attributes class type**

Explanation: This message is the body of the report file for the QUERY LIBRARY INVENTORY command. An 'x' is placed under the appropriate column header in message FSM2181.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2183I **Library *libname*, category *catname*, contains *number of volumes* volumes**

Explanation: There are *number of volumes* volumes in category *catname* within library *libname*. This message is the final message in the QUERY LIBRARY INVENTORY report file, or is presented in response to a QUERY LIBRARY COUNT command.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2188I **High-capacity input/output station is not enabled for library = *libname***

Explanation: The high-capacity input/output station is not enabled. This was specified at installation time during the teach operation. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2189I **High-capacity output station in library = *libname* is full**

Explanation: The high-capacity output station is full of volumes. No more volumes can be assigned to the EJECTB category until some of the volumes are removed. This message may appear in a report file as

FSM2190I • FSM2200I

part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Remove some or all of the volumes from the high-capacity output station.

Suggested Action: None.

FSM2190I Library *libname*, accessor is not available or is not operational

Explanation: The accessor in the specified library is not operational. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2191I Library *libname*, gripper number *number* is not available, or is not operational

Explanation: The specified gripper is not operational. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2192I Library *libname*, gripper number *number* vision system not operational

Explanation: The specified vision system is not operational. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2193I Library *libname*, library manager is unavailable

Explanation: The library manager is installed, but is not available. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2195I Primary hard drive is unavailable; library = *libname*

Explanation: The primary hard drive is installed, but is not available. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2196I Secondary hard drive is unavailable; library = *libname*

Explanation: The secondary hard drive is installed, but is not available. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2197I Convenience input station is unavailable; library = *libname*

Explanation: The convenience input station is installed, but is not available. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2198I Convenience output station is unavailable; library = *libname*

Explanation: The convenience output station is installed, but is not available. This message may appear in a report file as part of the response to a DFSMSRM QUERY LIBRARY OPSTATE command, and is always preceded by message FSM2160.

System action: DFSMS continues operation.

Library Administrator Response: Refer to *IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide*.

Suggested Action: None.

FSM2200I Device *rdev*: Device Type = *type*, Library Name = *library name*, VLABEL = *vlabel*, Mounted Category = *category name*, Assigned Category = *category name*

Explanation: This information is provided in response

to a DFSMSRM QUERY LIBRARY DEVICE request.

Note: If a 3592 type device is encryption capable, *type* will be '3592E'.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2201I Device *rdev*: Installed and available

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY DEVICE (DETAILS request, and is always preceded by message FSM2200.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2202I Device *rdev*: Volume loaded

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY DEVICE (DETAILS request, and is always preceded by message FSM2200.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2203I Device *rdev*: Cartridge loader installed and active

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY DEVICE (DETAILS request, and is always preceded by message FSM2200.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2204I Device *rdev*: Selection order = *order*

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY DEVICE (DETAILS request, and is always preceded by message FSM2200. Selection order refers to how volumes from the assigned category are chosen in response to a DFSMSRM MOUNT CATEGORY request. The two possibilities are RANDOM and SEQUENTIAL.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2205I Device *rdev*: Auto-fill enabled

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY DEVICE (DETAILS request, and is always preceded by message FSM2200. "Auto-fill enabled" means that the library keeps filling the device's automatic cartridge loader with volumes from the assigned category when volumes are demounted.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2206I MOUNT VOL *vlabel* ON DEVICE *rdev* FOR USER *userid*; ATTACH TO *userid* as *vdev*, READONLY/READWRITE IDRC/NOIDRC

Explanation: This message is sent to the library notify user ID when the RMS master receives a MOUNT request specifying a manual library name.

System action: DFSMS continues processing the next request.

Library Administrator Response: Mount the requested volume.

Suggested Action: None.

FSM2207I MOUNT VOL *vlabel* FOR USER *userid*; ATTACH TO *userid* as *vdev*, READONLY/READWRITE IDRC/NOIDRC

Explanation: This message is sent to the library notify user ID when the RMS master receives a MOUNT request specifying a manual library name.

System action: DFSMS continues processing the next request.

Library Administrator Response: Mount the requested volume.

Suggested Action: None.

FSM2208I MOUNT VOL *vlabel* FOR USER *userid*; ATTACH TO *userid*, READONLY/READWRITE IDRC/NOIDRC

Explanation: This message is sent to the library notify user ID when the RMS master receives a MOUNT request specifying a manual library name.

System action: DFSMS continues processing the next request.

Library Administrator Response: Mount the requested volume.

Suggested Action: None.

FSM2209I MOUNT VOL *vlabel* ON DEVICE *rdev* FOR USER *userid*; NOATTACH READONLY/READWRITE IDRC/NOIDRC

Explanation: This message is sent to the library notify user ID when the RMS master receives a MOUNT request specifying a manual library name.

System action: DFSMS continues processing the next request.

Library Administrator Response: Mount the requested volume.

Suggested Action: None.

FSM2210I Volume *vlabel*: volume class = *class*, volume type = *type*, category = *category* name, library = *library* name

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request.

System action: DFSMS continues operation.

Library Administrator Response: None.

Suggested Action: None.

FSM2211I The volume is mounted

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2212I The volume is queued for mount

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2213I The volume is being mounted

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2214I The volume is queued for demount

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2215I The volume is being demounted

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2216I The volume is queued for eject

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2217I The volume is being ejected

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2218I The volume is queued for audit

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2219I The volume is being audited

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2220I The volume is misplaced

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2221I The volume has an unreadable label

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2222I The volume was used during manual mode

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2223I The volume was manually ejected

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2224I The volume is present in the library, but inaccessible

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2225I Request identifier = *request id*; Audit of volume *vlabel* for library *library name* completed

Explanation: The specified volume has been audited.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2226E Request id = *request id*: audit of volume *vlabel* for library *library name* could not be completed because the volume has an unreadable label

Explanation: This information may be provided in response to a DFSMSRM QUERY VOLUME (AUDIT request, and indicates that the volume has an unreadable or missing external label.
System action: DFSMS attempts to continue processing other requests.
Library Administrator Response: The volume can be ejected from the library and its external label replaced.
Suggested Action: None.

FSM2227I The Volume is assigned with the Fast Ready attribute set

Explanation: This information is provided in response to a DFSMSRM QUERY LIBRARY VOLUME request and is always preceded by message FSM2210.
System action: DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2230E Request *request id* could not be completed because device *rdev* not available

Explanation: The device specified in the command is not available for use.
System action: The system fails the current action it is attempting. DFSMS continues processing other requests.
Library Administrator Response: None.
Suggested Action: Reissue the command specifying another device.

FSM2231E Request *request id* could not be completed because an available device could not be found

Explanation: No device is available to process the request.
System action: The system fails the current action it is attempting. DFSMS continues processing other requests.
Library Administrator Response: None.
Suggested Action: Reissue the command specifying an available device.

FSM2236E Request *request id* could not be completed because a failure occurred attempting to attach or detach device *rdev*

Explanation: The device specified in the command cannot be attached or detached.
System action: DFSMS fails the current action it is attempting, and continues processing other requests.
Library Administrator Response: None.
Suggested Action: Reissue the command, specifying another device.

FSM2240W The library sequence number *library sequence number* reported by device *rdev* does not match any defined library

Explanation: The specified device has been queried to determine its library sequence number, and the number it returned does not match any library sequence number that has been defined.
System action: DFSMS leaves the specified device uninitialized, and does not add it to the RM configuration.
Library Administrator Response: Check the DFSMS control file and ensure that all of the 3495 libraries have been correctly identified by an RM_AUTO_LIBRARY parameter. If so, the device may not be in any defined library.
Suggested Action: None.

FSM2241W Device *rdev* could not be initialized

Explanation: Initialization processing for the device has not been completed, probably because the device was not available to attach.
System action: DFSMS leaves the device uninitialized, and does not add it to the RM configuration. Initialization processing is attempted again for this device the first time that the device is specified in a command. DFSMS continues operation.
Library Administrator Response: None.
Suggested Action: None.

FSM2242E Invalid record found in RM configuration file at line *line number*

Explanation: The RM configuration file contains records that do not conform to the specified format.
System action: DFSMS continues to process the configuration file records and then stops.
Library Administrator Response: See the *z/VM: DFSMS/VM Customization* for the correct configuration file format.
Suggested Action: None.

FSM2243E RM configuration file not found, or this machine is not authorized to it

Explanation: The RM configuration file is not found, or this machine lacks the authorization to open and read it.
System action: Initialization of the RMS master ends.

Library Administrator Response: Create the RM configuration file and ensure that the RMS master virtual machine has authorization to open and read it.
Suggested Action: None.

FSM2244E RM configuration file not fixed record format

Explanation: The RM configuration file has a variable record-length format and requires a fixed format.
System action: Initialization of the RMS master ends.
Library Administrator Response: Recreate the RM configuration file with a fixed record-length format.
Suggested Action: None.

FSM2245E RM configuration file is empty

Explanation: The RM configuration file has been opened, but it contains no records.
System action: Initialization of the RMS master is terminated.
Library Administrator Response: The configuration information needs to be supplied in the file.
Suggested Action: None.

FSM2246E RM configuration file logical record length exceeds allowed maximum

Explanation: The logical record length of the RM configuration file exceeds 240.
System action: Initialization of the RMS master ends.
Library Administrator Response: Recreate the RM configuration file with logical record length less than or equal to 240.
Suggested Action: None.

FSM2999E Request *request id* could not be completed successfully because an error occurred in DFSMS processing

Explanation: DFSMS experienced an error condition that caused it to fail this request.
System action: The system fails the current request, and attempts to continue operation.
Library Administrator Response: See the RMS master log file for more information.
Suggested Action: Contact the library administrator.

FSM3000I DFSMS Function Level *function level* *date time*

Explanation: This message indicates the function level of DFSMS/VM, as well as the date and time processing of this command started. The date and time are omitted when issued by the QUERY DFSMSLEVEL command.
System action: DFSMS/VM continues processing.
Storage Administrator Response: None.
Suggested Action: None.

FSM3001E Duplicate parameter *parameter name* found in DFSMS control file at line *line number*

Explanation: Duplicate definitions of a DFSMS control file parameter have been made when only one is allowed.
System action: When this error occurs during initialization, DFSMS validates the remaining control file parameters and then terminates. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the migrated files are not backed up or restored.
Storage Administrator Response: Remove the duplicate DFSMS control file parameter.
Suggested Action: None.

FSM3003E DFSMS control file is empty

Explanation: The DFSMS control file has been opened, but it contains no records.
System action: When this error occurs during DFSMS initialization, initialization of DFSMS fails. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated data fails.
Storage Administrator Response: The parameters need to be supplied in the DFSMS control file.
Suggested Action: None.

FSM3004E Invalid value *value* for parameter *name* at line *line number* in DFSMS control file

Explanation: An invalid value has been given for a DFSMS control file parameter.
System action: When this error occurs during DFSMS initialization, DFSMS validates the remaining control file parameters and then terminates. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.
Storage Administrator Response: Correct the invalid value.
Suggested Action: None.

FSM3005E Invalid parameter *name* at line *line number* in DFSMS control file

FSM3005E Invalid parameter at line *line number* in DFSMS control file

Explanation: An invalid DFSMS parameter has been specified in the DFSMS control file or extraneous text appears on the line (comments) without being prefaced with the required asterisk (*).
System action: DFSMS/VM validates the remaining control file parameters and then terminates.
Storage Administrator Response: If the parameter is invalid, correct or remove the parameter. If extraneous text appears on the line, place an asterisk in front of the comments.
Suggested Action: None.

FSM3006E Required parameter *name* not found in DFSMS control file

Explanation: The specified required parameter has not been found in the control file.

System action: When this error occurs during DFSMS initialization, DFSMS validates the remaining control file parameters and then terminates. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.

Storage Administrator Response: Supply the missing parameter in the DFSMS control file.

Suggested Action: None.

FSM3007E Invalid text found at line *line number* in DFSMS control file

Explanation: The only information having been allowed on each noncomment line of the DFSMS control file is a parameter name and those values associated with it. These can be optionally followed by a comment (comments begin with an asterisk). Any text having been placed between the parameter values and either the end of the line or a comment is invalid. This includes having more than one parameter on a line.

System action: When this error occurs during DFSMS initialization, DFSMS/VM validates the remaining control file parameters and then stops. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.

Storage Administrator Response: The second parameter or extra text must be removed from the record.

Suggested Action: None.

FSM3008E Errors were encountered in DFSMS control file processing

Explanation: Errors have been found in the DFSMS control file. These may be due to:

- the invalid contents of the DFSMS control file. See accompanying messages for details of the error.
- internal errors occurring in the DFSMS control file processing routines. An "internal error" message has been logged.
- a CSL routine invoked during DFSMS control file processing in which a failing return code has been received. The message FSM0513 was issued containing the name of the CSL routine called and the return and reason code.

System action: DFSMS/VM stops.

Storage Administrator Response: Refer to the console error messages related to the DFSMS control file and correct the error conditions.

Suggested Action: None.

FSM3009E Errors have caused DFSMS initialization to stop

Explanation: Errors encountered during DFSMS/VM initialization have prevented DFSMS from initializing. The error messages have been written to the console.

System action: DFSMS/VM stops.

Storage Administrator Response: Refer to the console error messages and correct the error conditions.

Suggested Action: None.

FSM3010I DFSMS has restarted but was unable to restart *command*, request identifier *request id*. Please resubmit

Explanation: When DFSMS restarts after an abnormal end, only certain requests will be restarted and processed. This message indicates the request is one that will not be restarted.

System action: The attempt to restart the request ends and a response file is sent to the requester.

Storage Administrator Response: None.

Suggested Action: Check the report file and the report file completion message and determine whether or not to resubmit the command.

FSM3011I DFSMS stopped while processing request identifier *request id*. Processing of this request is being reinitialized

Explanation: DFSMS stopped as a result of an abnormal end during the processing of this request. As part of DFSMS initialization, this request is restarted.

System action: The user's specified request is restarted.

Storage Administrator Response: None.

Suggested Action: None.

FSM3012E DFSMS control file not found or this machine is not authorized to it

Explanation: The DFSMS control file has not been found or the machine lacks the authorization to open and read it.

System action: When this error occurs during DFSMS initialization, initialization of DFSMS fails. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.

Storage Administrator Response: Create the DFSMS control file and ensure that all master and server virtual machines are administrators to file pool VMSYS. If this error occurred during FILEPOOL BACKUP or FILEPOOL RESTORE, ensure that the issuer of the command has authority to open and read the control file.

Suggested Action: None.

FSM3013E DFSMS control file not fixed record format

Explanation: The control file has a variable record-length format and it requires a fixed format.

System action: When this error occurs during DFSMS initialization, initialization of DFSMS fails. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.

Storage Administrator Response: Recreate the control file with a fixed record-length format.

Suggested Action: None.

FSM3014E *Dirid* *dirid* of parameter *name* at line *line number* in DFSMS control file could not be created

Explanation: DFSMS has determined that the *dirid* does not exist, and so has attempted to create it. This attempt has failed. Either the file space does not already exist or errors have occurred while creating subdirectories.

System action: DFSMS validates the remaining control file parameters and then terminates.

Storage Administrator Response: If the file space does not exist, create the file space prior to initializing DFSMS. Refer to *z/VM: DFSMS/VM Customization*. If the file space does exist, see accompanying messages FSM3192 and FSM0513 for further details of the error.

Suggested Action: None.

FSM3015W No minidisk servers defined in the DFSMS control file

Explanation: No minidisk servers are defined in the DFSMS control file. If minidisk work is submitted (MOVE or CHECK), it will not be processed.

System action: DFSMS/VM initialization continues.

Storage Administrator Response: If minidisk work is planned, define minidisk servers in the DFSMS control file and then stop and restart DFSMS.

Suggested Action: None.

FSM3015E No minidisk servers defined in the DFSMS control file

Explanation: No minidisk servers are defined in the DFSMS control file.

System action: The DFSMS command fails.

Storage Administrator Response: Define minidisk servers in the DFSMS control file and then stop and restart DFSMS.

Suggested Action: Contact the storage administrator.

FSM3016E Parameter *parameter name* specifies duplicate *userid* *userid* at line *line number* in DFSMS control file

Explanation: This parameter is attempting to use the same user ID specified in the control file for another virtual machine; for example, a minidisk server or a DFSMS master or server.

System action: DFSMS validates the remaining control file parameters and then terminates.

Storage Administrator Response: Change the user ID to one not specified in another control file parameter, refer to *z/VM: DFSMS/VM Customization*.

Suggested Action: None.

FSM3017W Default value NONETWRK.NOLUNAME used for FULLY_QUALIFIED_LUNAME parameter

Explanation: During DFSMS control file processing, the FULLY_QUALIFIED_LUNAME parameter is not specified, and DFSMS/VM uses the default value NONETWRK.NOLUNAME. DFSMS/VM has detected this condition and issued this warning message.

System action: Processing continues.

Storage Administrator Response: If the z/VM system running DFSMS is in a TSAF collection or an AVS global gateway, or this inclusion is planned for the future, planning and thought need to be taken when choosing a value for this parameter. The value used for this parameter is also used by DFSMS in the directory structure for secondary storage. If this value is changed after any files have been migrated, the installation has to manually perform some renaming in the secondary storage directory structure. Consult *z/VM: Connectivity* for TSAF and AVS considerations in choosing appropriate names for this control file parameter. If migration level 2 data is stored, the value for FULLY_QUALIFIED_LUNAME may not change if there is migration level 2 data. Consult *z/VM: DFSMS/VM Customization* for a description of the secondary storage naming considerations. If after investigation, the installation determines that default value for the FULLY_QUALIFIED_LUNAME parameter NONETWRK.NOLUNAME is sufficient, no further action needs to be taken.

Suggested Action: None.

FSM3018I Migration level 1 file space is *file space*

Explanation: This message indicates the file space name used for storing migrated data in migration level 1.

System action: Processing continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3019E Missing value for parameter *name* at line *line number* in DFSMS control file

Explanation: The DFSMS control file parameter value has not been given as required.

System action: When this error occurs during DFSMS initialization, DFSMS/VM validates the remaining DFSMS control file parameters and then stops. When this error occurs during FILEPOOL BACKUP or FILEPOOL RESTORE, the backup or restore of migrated files fails.

Storage Administrator Response: Supply the missing value.

Suggested Action: None.

FSM3020E Invalid values for parameters *logging parm 1* and *logging parm 2*. Both cannot be *logging value*

Explanation: During DFSMS control file processing, both of the *logging parms* have been specified—either

explicitly in the DFSMS control file or implicitly by default values or a combination of both—to log errors at the 0 level. This is invalid. At least one of the logging parms must be changed to another logging value.

System action: DFSMS/VM validates the remaining DFSMS control file parameters and then stops.

Storage Administrator Response: Correct the invalid value. Refer to *z/VM: DFSMS/VM Customization*.

Suggested Action: None.

FSM3021E Log messages will be sent to console due to internal errors

Explanation: An internal DFSMS/VM error has occurred that prevents messages from being written to the log file as specified in the DFSMS control file.

System action: System log messages are sent to the service machine's console instead of the log file.

Storage Administrator Response: Refer to the accompanying FSM0506, FSM0513, or FSM3024 message for an explanation of the error.

Suggested Action: None.

FSM3022E Error opening system log file *fn ft dirid*. Log messages will be sent to console until log file can be opened

Explanation: DFSMS/VM has attempted to open a DFSMS log file, but an error has occurred.

System action: DFSMS/VM continues to attempt to open the file. Until the file can be opened, system log messages are sent to the service machine's console instead of the log file.

Storage Administrator Response: Refer to the accompanying FSM0513 or FSM3060 message for the return and reason codes, and release all locks on the file.

Suggested Action: None.

FSM3023I Log file *fn ft dirid* now open after previous attempts to open failed. Writing log messages to file is now resumed

Explanation: Previous attempts to open the log file have failed and log messages have been sent to the console instead, regardless of the DFSMS_LOG_TO_CONSOLE setting in the DFSMS control file DGTVCNTL DATA in VMSYS:DFSMS.CONTROL. The latest call to open the log file has been successful and messages are now written to the log file.

System action: DFSMS/VM writes log messages to the file.

Storage Administrator Response: None.

Suggested Action: None.

FSM3024E Error opening system log file *fn ft dirid* due to ACS processing error. Log messages will be sent to the console until the log file can be opened

Explanation: DFSMS/VM has attempted to open the DFSMS log file, but automatic class selection processing refused creation of the file.

System action: DFSMS/VM does not attempt to reopen the file for the remainder of the day. An attempt is made to reopen the file on the following day. Until then, system log messages are sent to the service machine's console instead of the log file.

Storage Administrator Response: Correct the installation's ACS processing to allow creation of the log file. Once this is done, messages can be written to the log file immediately if DFSMS/VM has been stopped and started again.

Suggested Action: None.

FSM3025W File pool unavailable for ML1 file space *file space*

Explanation: The name of the directory used for storing migrated data is specified but its file pool server is not available. Any commands needing access to migration level 1 (MIGRATE and RECALL) will fail until migration level 1 becomes available.

System action: DFSMS continues reading the control file.

Storage Administrator Response: If the migration level 1 file pool is not in the process of becoming available, investigate the problem with the migration level 1 server and resolve.

Suggested Action: None.

FSM3026E File pool *file pool* is unavailable

Explanation: The file pool *file pool* is unavailable. If the file pool referred to is the file pool on the WORK_DIRECTORY control file parameter, then initialization cannot continue until that file pool becomes available.

System action: When issued by initialization processing on the DFSMS master or server, initialization fails.

Storage Administrator Response: Investigate why the file pool server is not ready to process requests.

Suggested Action: None.

FSM3027E Directory *dirid* not found or you are not authorized to it

Explanation: This message is issued during FILEPOOL BACKUP when the user is not authorized to the specified directory or the directory does not exist.

System action: Backup of primary storage continues, but no backup is made of secondary storage.

Storage Administrator Response: Verify that the correct file pool and file space have been specified in the DFSMS control file. If the correct parameter has been specified, ensure that the file pool is started before reissuing the FILEPOOL BACKUP command. Verify that

the virtual machine detecting the error has authority to the specified file pool and file space.

Suggested Action: None.

FSM3028E DFSMS control file record length exceeds 240

Explanation: The control file's record length exceeds the maximum length allowed.

System action: Initialization of DFSMS/VM fails.

Storage Administrator Response: Edit or use CMS COPYFILE on the existing control file to create the control file with a record length less than or equal to 240.

Suggested Action: None.

FSM3029E File space *file space of parameter name* does not exist in file pool *file pool* specified on that same parameter or you are not authorized to it

Explanation: This message is displayed on the DFSMS master's console during initialization when the control file parameter specifying both a file pool and file space, contains a file space that is not enrolled in the file pool or the virtual machine does not have authority to that file space.

System action: Initialization of the DFSMS master fails.

Storage Administrator Response: Verify that the correct file pool and file space have been specified on the control file parameter. If they are correct, make sure the file space is enrolled in the file pool with the appropriate amount of space. See *z/VM: DFSMS/VM Customization* for details. Ensure that the master and server virtual machines have authority to this file pool and file space.

Suggested Action: None.

FSM3030E File pool *file pool* specified in parameter *name* is unavailable

Explanation: The file pool specified in the control file parameter is unavailable.

System action: DFSMS/VM initialization stops.

Storage Administrator Response: Verify that the correct file pool and file space have been specified. If the correct parameter has been specified, ensure that the file pool is started before restarting DFSMS.

Suggested Action: None.

FSM3031W Migration level 2 is not currently specified in the DFSMS control file

Explanation: Because migration level 2 is not currently specified in the DFSMS control file, backup or restore of the migration level 2 data (if there is any) has not occurred. If the installation is not using migration level 2, then this warning can be ignored.

System action: The FILEPOOL BACKUP or FILEPOOL RESTORE continues.

Storage Administrator Response: If the installation has migration level 2 data, then the migration level 2

parameter should be specified in the DFSMS control file and the FILEPOOL BACKUP or RESTORE command should be resubmitted.

Suggested Action: None.

FSM3032I Virtual machine name is stopping

Explanation: Virtual machine *virtual machine name* is stopping as a result of either a STOP command or an abend, and is no longer accepting new requests.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3033W Accounting data will not be accurate since this is a second level z/VM system

Explanation: This DFSMS system is running on a second level system and therefore the accounting data will not be accurate. Accounting data is only accurate on a first level z/VM system.

System action: DFSMS/VM initialization continues, but accounting numbers will not be accurate.

Storage Administrator Response: None.

Suggested Action: None.

FSM3034E When control file parameter MIGRATION_LEVEL_1 or MIGRATION_LEVEL_2 is specified, parameter DFSMS_SERVER_VM must also be specified

Explanation: In order to use space management capabilities of DFSMS/VM, space management servers must be specified in the DFSMS control file.

MIGRATION_LEVEL_1 and MIGRATION_LEVEL_2 are part of the space management portion of DFSMS/VM and therefore require a DFSMS_VM_SERVER to be specified in the DFSMS control file.

System action: Processing of the DFSMS control file ends.

Storage Administrator Response: If space management functions are required, specify at least one DFSMS_SERVER_VM parameter in the DFSMS control file and then restart DFSMS/VM. If space management functions are not required, then comment out MIGRATION_LEVEL_1 and MIGRATION_LEVEL_2 and restart DFSMS/VM.

Suggested Action: None.

FSM3035E No authority to the specified file pool *file pool* and file space

Explanation: This message is displayed when an attempt is made by the virtual machine to access the specified file pool and file space and the virtual machine does not have authority to that file pool.

System action: The command fails. If this error is detected during initialization, an additional message indicates what DFSMS control file parameter caused the error and initialization stops.

Storage Administrator Response: Verify that the

virtual machine detecting the error has authority to the specified file pool and file space.

Suggested Action: None.

FSM3036E LE/370 not available

Explanation: DFSMS/VM requires that the IBM SAA® AD/Cycle® Language Environment/370 (program #5688-198) be installed and accessible to the DFSMS master and the DFSMS server machines when the product is enabled for space management. This environment is also required for the SFS utilities (FILEPOOL BACKUP, FILEPOOL RESTORE, or FILEPOOL FILELOAD) if migration level 2 is specified in the DFSMS/VM control file. This message is issued when the LE/370 environment is not available or not accessible.

System action: If the error occurred during initialization, DFSMS/VM initialization stops. If the error occurred during a FILEPOOL BACKUP, FILEPOOL RESTORE, or FILEPOOL FILELOAD the command fails.

Storage Administrator Response: Ensure that the DFSMS master and DFSMS server virtual machines have access to the LE/370 product. If the error occurred during DFSMS/VM initialization, ensure that LE/370 is on an accessed disk at the time of DFSMS/VM initialization and ensure that LOADLIB SCEERUN exists on that accessed disk. If the error occurred during a FILEPOOL BACKUP, FILEPOOL RESTORE, or FILEPOOL FILELOAD command, ensure that LE/370 is on an accessed disk and that the library SCEERUN is specified as a LOADLIB. To find out what libraries have been specified, issue the QUERY LOADLIB command. Consult *z/VM: DFSMS/VM Customization* for installation instructions.

Suggested Action: None.

FSM3037E No authority for dirid *dirid* of parameter name at line *line number*

Explanation: The master and server virtual machines lack the proper authority to the directory specified in this DFSMS control file parameter.

System action: DFSMS/VM validates the remaining DFSMS control file parameters and then stops.

Storage Administrator Response: Ensure that the master and server virtual machines have authority to the directory specified in this parameter.

Suggested Action: None.

FSM3038E DFSMS/VM virtual machines must have administrator authority to migration file pool *file pool*

Explanation: The master and server virtual machines need administrator authority to the migration level 1 file pool.

System action: DFSMS/VM validates the remaining control file parameters and then terminates.

Storage Administrator Response: Ensure that the master and server virtual machines have administrator

authority to the migration level 1 file pool. This can be accomplished temporarily using the CMS ENROLL ADMINISTRATOR command while the file pool is running, but is made permanent by using the ADMIN statement in the DMSPARMS file for the migration level 1 file pool virtual machine.

Suggested Action: None.

FSM3039E This virtual machine *virtual machine id* is not defined in the DFSMS control file

Explanation: All virtual machines running DFSMS must be defined in the DFSMS control file. This virtual machine is attempting to run DFSMS but is not defined in the DFSMS control file as either the DFSMS master, DFSMS server, minidisk server, or RMS master.

System action: DFSMS/VM stops.

Storage Administrator Response: Ensure that the virtual machine is defined in the DFSMS control file as either the DFSMS master, DFSMS server, minidisk server, or RMS master.

Suggested Action: None.

FSM3040E Either DFSMS servers or minidisk servers must be defined in the DFSMS control file

Explanation: At least one server machine must be defined in the DFSMS control file. If minidisk functions are required, then at least one minidisk server should be defined. If space management functions are required, then at least one DFSMS server should be defined. If both functions are required then define both types of servers.

System action: DFSMS/VM stops after verifying the rest of the control file.

Storage Administrator Response: Ensure that at least one server virtual machine is defined in the DFSMS control file.

Suggested Action: None.

FSM3041W No DFSMS servers defined in the control file

Explanation: No DFSMS servers are defined in the DFSMS control file.

System action: Initialization continues.

Storage Administrator Response: If space management functions are desired, stop DFSMS/VM, install the space management function, and restart DFSMS/VM. Refer to *z/VM: DFSMS/VM Customization* for instructions on installing space management.

Suggested Action: None.

FSM3041S No DFSMS servers defined in the control file and space management work was requested

Explanation: No DFSMS servers are defined in the DFSMS control file and space management work requiring a space management server has been requested.

System action: The request is ignored.

Storage Administrator Response: Stop the system with the DFSMS STOP SMS (IMMED and update your system to include space management, then restart the system and resubmit the request. Refer to *z/VM: DFSMS/VM Customization* for instructions on installing space management.

Suggested Action: None.

FSM3042W ML2 password not specified in the DFSMS control file

Explanation: The migration level 2 password is not specified in the DFSMS control file. If authentication is used on the migration level 2 server, then a password must be specified on the MIGRATION_LEVEL_2 keyword. Failure to specify this password results in the failure of migration level 2 transactions and queries. If authentication is not enabled on the ML2 server, ML2 data integrity may be compromised. It is recommended that authentication always be enabled on the ML2 server.

System action: DFSMS/VM initialization continues.

Storage Administrator Response: If authentication processing on the migration level 2 server is desired, then specify a password on the MIGRATION_LEVEL_2 keyword that matches the password for the node DFSMS on the ML2 server, and stop and restart the DFSMS master machine.

Suggested Action: None.

FSM3043E Parameter name at line line number contains too many subdirectory levels

Explanation: The work directory parameter can contain only seven levels of subdirectories.

System action: DFSMS/VM validates the remaining control file parameters and then stops.

Storage Administrator Response: Correct the control file parameter and then restart DFSMS/VM.

Suggested Action: None.

FSM3050S APPC/VM resource resource ID cannot be initialized

Explanation: There has been an error identifying an APPC/VM resource.

System action: The system fails initialization.

Storage Administrator Response: The APPC/VM resource given in the DFSMS control file should be verified to ensure it is a valid global resource identifier. For instance, the APPC/VM resource must not have already been identified within the system, or if it is a global resource, within the TSAF collection. Also, the DFSMS_MASTER_VM machine CP directory entry should be checked to verify it is authorized to identify any APPC/VM resource (local or global).

Suggested Action: None.

FSM3051W DFSMS global APPC/VM resource connected to by userid userid

Explanation: A communications connection has been made with the global APPC/VM resource. Connections to this APPC/VM resource are unsupported.

System action: The attempt to connect to the DFSMS global resource is logged, the connection is severed, and DFSMS continues processing.

Storage Administrator Response: Determine the source of the connection to the DFSMS global resource.

Suggested Action: None.

FSM3052S Critical DFSMS task ended abnormally

Explanation: A critical DFSMS/VM task has ended abnormally.

System action: When this message is issued on the DFSMS master or RMS master, it refers to a critical subprocess without which DFSMS/VM begins termination processing.

When this message is issued on the DFSMS server, it refers to one of the server tasks specified on the DFSMS control file parameter DFSMS_SERVER_VM (refer to *z/VM: DFSMS/VM Customization* for details about these tasks). The server continues to run until all such server tasks have ended normally or abnormally. If all of the server tasks end, the server stops, but the master continues to process. The ability of DFSMS/VM to do work is inhibited by the total number of ended tasks on all servers.

Storage Administrator Response: Check the log messages for errors that would explain the cause of the task termination, and correct the error.

Suggested Action: None.

FSM3053I All DFSMS local APPC/VM resources initialized

Explanation: During DFSMS initialization, all local APPC/VM resources are identified to CP.

System action: Initialization of DFSMS continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3054I DFSMS global APPC/VM resource resource id initialized

Explanation: During DFSMS/VM initialization, DFSMS/VM identifies the DFSMS global resource to CP. The identified global resource is obtained from the control file's GLOBAL_RESOURCE_ID parameter.

System action: Initialization of DFSMS/VM continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3055E APPC/VM connection could not be made to virtual machine

Explanation: A DFSMS server has attempted to establish an APPC/VM connection with the DFSMS master, but is unable to do so. The DFSMS master must be available to a DFSMS server within 15 minutes

of the server's first attempt to make the connection.

System action: The server terminates.

Storage Administrator Response: Ensure the DFSMS master is able to successfully initialize. Resolve any errors that you encounter.

Suggested Action: None.

FSM3056I Server task ended. Number of tasks of total tasks tasks now active

Explanation: A task running on a DFSMS server has ended.

System action: The server continues to run with *number of tasks* tasks.

Storage Administrator Response: If the task has ended as part of DFSMS termination processing, this is a normal condition. If not, check the log file for error messages indicating the reason for the task ending, and correct any error conditions. If a large number of tasks have failed, DFSMS can be stopped and restarted in order to start those tasks again.

Suggested Action: None.

FSM3057S CP has revoked APPC/VM resource resource id

Explanation: An APPC/VM resource has been revoked. If this resource is the one identified by the GLOBAL_RESOURCE_ID parameter in the DFSMS control file, the revocation is most likely due to another DFSMS system using the same global resource ID at the time communications with the other system is established.

System action: DFSMS terminates.

Storage Administrator Response: Ensure that the DFSMS APPC/VM resource given in the control file is a valid and unique global resource identifier. If there is already migrated data for a system, care must be exercised when renaming the global resource ID. See *z/VM: DFSMS/VM Customization* for more information.

Suggested Action: None.

FSM3058E DFSMS server could not communicate with DFSMS master

Explanation: This message is issued by a DFSMS server machine when communications with the DFSMS master machine fails.

System action: The server task ends.

Storage Administrator Response: None.

Suggested Action: None.

FSM3059E DFSMS is unable to write messages to the log file because of an out of space condition. Log messages will be written to the console instead

Explanation: DFSMS is unable to log more messages to the log file. The directory's storage group or file space limits have been exceeded.

System action: Log messages will be written to the console instead of the log file.

Storage Administrator Response: Check the log

directory as specified by the DFSMS_LOG_TO_FILE or RM_LOG_TO_FILE. Issue the CMS QUERY LIMITS command for the log directory's file space to determine the space availability in that file space, or issue the CMS QUERY FILEPOOL STORGRP command for the log directory's file pool to determine if the storage group is out of space. Increase the amount of space available to the log directory accordingly. Also, erase files not needed or keep log files in a file pool managed by DFSMS and migrate in a timely manner. Refer to *z/VM: CMS Commands and Utilities Reference* for instruction on the use of these SFS commands and on increasing the available space.

Suggested Action: None.

FSM3060E DFSMS system log file is locked by another user

Explanation: DFSMS/VM is unable to write messages to the log file because it is currently locked by another user. One possible cause is that another user may be editing the system log file.

System action: Log messages are written to the console.

Storage Administrator Response: Issue the CMS QUERY LOCK command against the file to determine who has the file locked.

Suggested Action: None.

FSM3061E Previous attempt to autolog server server name failed. The server is now eligible to be autologged again

Explanation: The server never connected to the DFSMS master. Investigate why the server is not coming up by logging on to the server virtual machine and watching it initialize.

System action: This server is now eligible to be autologged if needed.

Storage Administrator Response: If the problem preventing the server from autologging has not been corrected, correct the problem. Otherwise future attempts to autolog the server continue to fail.

Suggested Action: None.

FSM3062E Unable to restore migration level 2 data

Explanation: Migration level 2 data exists in the backup data but cannot be restored because migration level 2 is not specified in the DFSMS control file.

System action: The FILEPOOL RESTORE command fails.

Storage Administrator Response: Ensure that the migration level 2 parameter is specified in the DFSMS control file and resubmit the restore command.

Suggested Action: None.

FSM3063W Unable to return GLOBAL LOADLIB to the original state

Explanation: DFSMS/VM may issue a GLOBAL LOADLIB for certain libraries needed to perform a FILEPOOL BACKUP, FILEPOOL RESTORE, or FILEPOOL FILELOAD. When processing of any of these SFS commands is complete, DFSMS/VM attempts to return the GLOBAL LOADLIB back to the state it was before the SFS command was issued. This message is issued if an error occurred while returning these libraries.

System action: Processing of the SFS command continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3064E File not found in ML2

Explanation: The FILEPOOL FILELOAD command cannot restore a file ID specified in the CONTROL FILELOAD file, either because the file did not exist in the storage group at the time the FILEPOOL BACKUP command was run, or the file exists in the backup file but no migrated data is found in the ML2 repository. Missing migrated data can occur if the data in the ML2 repository was previously erased or the ML2 backup entry was deleted with the DFSMS DELETE ML2BACKUP command.

System action: Processing of the SFS command stops.

Storage Administrator Response: None.

Suggested Action: Verify that you are using the correct backup file or that you have specified the correct file ID in the CONTROL FILELOAD file and reissue the command. Or, restore the failing file with a more recent backup file.

FSM3065E Required TSM file spaces not defined

Explanation: When MIGRATION_LEVEL_2 is specified in the DFSMS control file, DFSMS/VM requires that there be TSM file spaces defined to hold migrated data. These are defined when the DFSMS master machine initializes.

When this message is displayed on the DFSMS master machine console or log, it means that the TSM server is available, but for some reason the file spaces could not be defined.

When this message is displayed on a DFSMS server machine console or log, it means that the server waited for fifteen minutes for the DFSMS master machine to define the file spaces, but they were never defined.

When this message is displayed during file pool backup or restore operations, it means that the DFSMS master machine has not successfully defined the file spaces.

System action: On the DFSMS master or server machine, initialization fails.

On a user machine performing file pool backup or restore activities, the backup or restore operation fails.

Storage Administrator Response: On the DFSMS master machine, ensure that the migration level 2 server is configured properly so that the DFSMS master machine can define the file spaces.

On the DFSMS server machine, ensure that the DFSMS master machine is logged on before the DFSMS server machines are logged on.

On a user machine performing file pool backup or restore operations, ensure that the DFSMS master machine has successfully initialized at least once since the MIGRATION_LEVEL_2 parameter was placed into the DFSMS control file.

Suggested Action: None.

FSM3101E Storage group's catalog is locked by another user or command

Explanation: The catalog for a storage group in a file pool has already been opened via DMSOPCAT. This is most likely due to another DFSMS MANAGE or CONVERT command having been issued for the same storage group in this file pool, although another installation application may have performed the DMSOPCAT. Use the ISMF QUERY command to determine if a DFSMS MANAGE or CONVERT command is active.

System action: Processing of the command is ended.

Storage Administrator Response: Check that the correct storage group number and file pool have been specified in the command. If either a DFSMS CONVERT or MANAGE command or another running installation application issues DMSOPCATs against that storage group, you must wait until these other commands finish before running this command again.

Suggested Action: None.

FSM3102E DFSMS work directory is out of space

Explanation: There is not enough room in the DFSMS work directory, which holds DFSMS temporary files, to process DFSMS commands. Either the directory's storage group or file space limits have been exceeded. This condition could be caused by many commands running concurrently or by commands such as DFSMS MANAGE. Extra space may also be depleted if the work directory is being used for other purposes, such as storing the DFSMS system log files (check the DFSMS_LOG_TO_FILE or RM_LOG_TO_FILE parameter in the DFSMS control file).

System action: Processing of currently running commands continue but any report files from those commands may be incomplete, and report files may be truncated. All other commands with the WAIT or NOWAIT option will fail.

Storage Administrator Response: The name of the work directory is specified in the DFSMS control file by the WORK_DIRECTORY parameter. If possible, do not use this directory in the LOG_TO_FILE parameter of the DFSMS control file. Issue the CMS QUERY LIMITS for the work directory's file space to determine the space availability in that file space, or issue the CMS QUERY

FILEPOOL STORGRP command for the work directory's file pool to determine if the storage group is out of space. Increase the amount of space available to the work directory accordingly. Refer to *z/VM: CMS Commands and Utilities Reference* for instruction on the use of these SFS commands and on increasing the available space.

Suggested Action: Contact the storage administrator.

FSM3103E ML2 is unavailable; processing of files using ML2 not performed

Explanation: The ML2 server is not logged on or not running, and files cannot be moved to or from migration level 2.

System action: The MIGRATE and RECALL commands fail. The MANAGE command with LEVELS ALL or LEVELS ML1 continues, but is limited to expiring files that are not migrated and to migrating files to migration level 1. The MANAGE command with LEVELS ML2 fails.

Storage Administrator Response: Ensure that the migration level 2 server is logged on and running, and that the value for the MIGRATION_LEVEL_2 parameter in the DFSMS control file is correct.

Suggested Action: Contact the storage administrator.

FSM3105I nnnn files eligible to be migrated

Explanation: This message indicates the total number of files eligible for migration, according to the level and threshold options specified in the management class attributes.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3106I nnnn blocks available in primary storage group

FSM3106I nnnn blocks available in ML1

Explanation: This message indicates how many blocks are available at the end of MANAGE command processing. When *nnnn* is -1, it indicates that the attempt to get the number of free blocks in the storage group has resulted in an error.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3107E MANAGE cannot migrate or move files to ML2, or erase migrated files, due to errors

Explanation: The ML2 server, handling migration level 2, cannot process the MANAGE command request.

System action: MANAGE command processing continues, but is limited to erasing files that are not migrated and to migrating files to migration level 1.

Storage Administrator Response: Check the log messages for more information, and correct the

condition affecting the migration level 2 server.

Suggested Action: Contact the storage administrator.

FSM3107E MANAGE with LEVELS ML2 ended due to errors

Explanation: The ML2 server, handling migration level 2, cannot process the MANAGE command request.

System action: MANAGE command processing ends because the LEVELS option specified migrating of files only to migration level 2.

Storage Administrator Response: Check the log messages for more information, and correct the condition affecting the migration level 2 server. The MANAGE command may be able to be run successfully with LEVELS ML1.

Suggested Action: Contact the storage administrator.

FSM3108E ML1 file pool *file pool* is unavailable

FSM3108E Primary storage file pool *file pool* is unavailable

FSM3108E ML2 server *server userid* is unavailable

Explanation: The file pool or migration level 2 server is not logged on or is not running. When a file pool or migration level 2 server is unavailable, any attempt to migrate or recall a file to or from the affected server fails. Note that this includes migrates that are the result of DFSMS MANAGE processing. When this message is issued after a DFSMS QUERY STATUS command, if the migration level 2 server is unavailable and the server is actually logged on and running then the server could be having problems communicating with the DFSMS master machine.

System action: DFSMS/VM continues but migrate and recall requests to the affected file pool or migration level 2 server fail until the file pool or migration level 2 server becomes available. The MANAGE command stops if it detects that the migration level 1 or the primary storage file pool is unavailable. If the migration level 2 server is unavailable, the MANAGE command may be able to continue processing, but without moving files into migration level 2. The latter case depends on the LEVELS option used when the MANAGE command is issued. The REPORT command stops if it detects that either migration level 1 or the primary storage file pool are unavailable. The REPORT command will also stop if the migration level 2 server is unavailable but is defined in the DFSMS control file.

Storage Administrator Response: Investigate why the file pool or server is not available. Ensure that the values for the MIGRATION_LEVEL_1 and the MIGRATION_LEVEL_2 parameter in the DFSMS control file are correct. If migration level 2 is unavailable, the MANAGE command can be submitted with the LEVELS ML1 option, which limits MANAGE processing to migrating files to migration level 1. However, migration level 1 must be available for the MANAGE and MIGRATE commands to process any files, even with

the LEVELS ML2 option. Refer to the DFSMS MANAGE command in the *z/VM: DFSMS/VM Storage Administration* for a description of the LEVELS option.

If the command issued is DFSMS MIGRATE then ensure that the values for MIGRATION_LEVEL_1 in the DFSMS control file are correct. Also make sure that the migration level 1 server is operational.

If the command issued is DFSMS QUERY STATUS and the migration level 2 server is unavailable then verify that the migration level 2 server is logged on and running. If the migration level 2 server is logged on and running, then verify that the migration level 2 server is communicating with the DFSMS master machine. Refer to *z/VM: DFSMS/VM Customization* for information on defining the migration level 2 server.

Suggested Action: Contact the storage administrator.

FSM3110E ML1 is out of space

FSM3110E ML2 is out of space

Explanation: There is not enough room in the migration level 1 file space or storage group, or in the migration level 2 repository to store any more migrated files.

System action: If a file is being migrated, processing of the file fails. If this condition is detected by the MANAGE command, the MANAGE processing of files being migrated or moved to the affected migration level ends.

Storage Administrator Response: See accompanying log messages for more information on the error that occurred, and increase the amount of space available to the migration level. The problem can be prevented by issuing the MANAGE command more often, expiring files sooner, or in the case of migration level 1 being full, changing the management class parameters to move more data to migration level 2.

Suggested Action: Contact the storage administrator.

FSM3110E Primary storage is out of space

Explanation: There is not enough room in primary storage to store the recalled file.

System action: If a file is being recalled, processing of the file fails.

Storage Administrator Response: See accompanying log messages for more information on the error that occurred, and increase the amount of space available in primary storage.

Suggested Action: Contact the storage administrator.

FSM3111E Unable to move file *primary file name* from ML1 to ML2

Explanation: This message is written to the report file for a MANAGE command if an error occurs and the file *primary file name* cannot be moved. This may be caused by space problems, file pool availability, or other errors.

System action: The file is not moved, and processing

proceeds to the next file to be moved.

Storage Administrator Response: Check the messages in the log or the report file for more information.

Suggested Action: Contact the storage administrator.

FSM3112E No value for the MIGRATION_LEVEL_2 parameter has been defined in the control file

Explanation: An ML2 server has to be defined in the DFSMS control file in order for files to be migrated to or deleted from migration level 2.

System action: If a file is being migrated, processing of the file fails. If this condition is detected by the MANAGE command, the MANAGE command ends. If this condition is detected by the DELETE ML2BACKUP command, the DELETE ML2BACKUP command ends.

Storage Administrator Response: Ensure that the MIGRATION_LEVEL_2 control file keyword and values are defined correctly.

Suggested Action: Contact the storage administrator.

FSM3112W No value for the MIGRATION_LEVEL_2 parameter has been defined in the control file

Explanation: An ML2 server has to be defined in the DFSMS control file in order for files to be migrated to migration level 2.

System action: If a file is being migrated, processing of the file continues with the file migrated to migration level 1.

Storage Administrator Response: Ensure that the MIGRATION_LEVEL_2 control file keyword and values are defined correctly.

Suggested Action: None.

FSM3114I ML1 file pool *file pool id* is available

Explanation: This message is displayed during DFSMS QUERY STATUS command processing when the migration level 1 file pool is available.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3114I ML2 server *server userid* is available

Explanation: This message is displayed during DFSMS QUERY STATUS command processing when the migration level 2 server is available.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3114I Minidisk server *server userid* is waiting for work

Explanation: This message is displayed during DFSMS QUERY STATUS command processing when the minidisk server is waiting for work.

System action: None.

Storage Administrator Response: None.
Suggested Action: None.

FSM3114I Minidisk server *server userid* is busy

Explanation: This message is displayed during DFSMS QUERY STATUS command processing when the minidisk server is busy.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3115I *Number of entries* backup entries were deleted from ML2 storage

Explanation: This message indicates the number of backup entries that have been deleted during DFSMS DELETE ML2BACKUP command processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3116E Number of waiting requests cannot be determined

Explanation: This message is displayed on the user's console during DFSMS QUERY STATUS processing when a problem occurs while determining the total number of requests for the system.

System action: The DFSMS QUERY STATUS command completes.

Storage Administrator Response: Investigate why the number of requests could not be determined. Examine the log files for any other messages.

Suggested Action: None.

FSM3117I DFSMS REPORT SPACEMANAGEMENT STORGROUP summary for file pool *file pool* and storage group *storage group*

Explanation: This is a section header message on a storage group report. The summary following this header represents summary data for the entire storage group. The data is accumulated from the individual file space summaries for all users enrolled in the storage group. The message contains the following fields:

- File pool—File pool for the report
- Storage group—Storage group for the report

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3118I The following files are migrated but DFSMS has migrated data in both ML1 and ML2:

Explanation: This message is a section header for both the file space and storage group report. The list of files following this message shows files migrated in both migration level 1 and migration level 2. Migrated data in migration level 1 always takes precedence over data in migration level 2. Therefore, if a file is recalled, the migration level 1 data is recalled.

System action: None.

Storage Administrator Response: Delete the migration level 2 data with the DFSMS DELETE command. Refer to *z/VM: DFSMS/VM Storage Administration* for more information.

Suggested Action: None.

FSM3119I The following tokens represent migrated data for which there are no files in primary storage:

Explanation: This message is a section header for the storage group report. The list of files following this message shows files which have either migration level 1 entries or migration level 2 entries with no corresponding files in primary storage.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3120I The following files are migrated:

Explanation: This is a section header for the file space report. A list of all migrated files that the user has the authority to see follows this message.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3121I The following files are not migrated but DFSMS has migrated data for them:

Explanation: This message is a section header for the file space and storage group reports. The list of files following this message shows files that are not migrated but DFSMS/VM has migrated data for them.

System action: None.

Storage Administrator Response: Use the DELETE command to erase files not migrated but DFSMS/VM shows migrated data for them.

Suggested Action: Contact the storage administrator.

FSM3122I The following files are migrated but no migrated data exists for them:

Explanation: This is the section header for the file space and storage group reports. The list of files following this message shows files that are migrated but DFSMS/VM has no migrated data for them.

System action: None.

Storage Administrator Response: Verify that the DFSMS control file parameters used to specify secondary storage (MIGRATION_LEVEL_1 and MIGRATION_LEVEL_2 parameters) have not been changed. These parameters may only be changed if there is no migration level 2 capability. If the parameters have been changed, the original directory where the migrated data resides needs to be renamed to correspond to the new directory naming scheme. If the directory has not changed, this file needs to be restored from a backup copy.

Suggested Action: Contact the storage administrator.

FSM3123I Primary Management Date Last *Date Migration Token for*

Explanation: This message is the first header for the body of the file space or storage group report. It identifies the fields in the body of the report. The message contains the following fields:

- Migrated—Date Migrated column header
- Level—Migration Level column header
- Delete Command—Token for Delete Command column header

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3124I Filename Filetype 4K Blocks Class Referenced *Migrated Level Delete Command*

Explanation: This message is the second header for the body of the file space or storage group report. It identifies the fields in the body of the report. The message contains the following fields:

- Migrated—Date Migrated column header
- Level—Migration Level column header
- Delete Command—Token for Delete Command column header

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3125I *filename filetype size management class last referenced date migrated date migration level delete token*

Explanation: This is the body of the file space report or storage group report. It contains the following fields:

- File name—name of file.
- File type—type of file.
- Size—size of file in 4K blocks. This is the number of 4K blocks that would have been required if the file were not migrated.
- Management class—management class of the file (--NULL-- and --NONE--).
- Last referenced date—last date this file has been referenced (mm/dd/yy).
- Migrated date—date this file has been migrated.
- Migration level—migration level file exists on.
- Delete token—Delete token. If this file is in primary storage and shows as not being migrated, but there is migrated data for it, this token can be used on the DELETE command to erase the migrated data. This is done to resolve out-of-synch conditions. This token only appears on the report if this condition exists.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3126I Files migrated for this file space: *number of migrated files*

FSM3126I Files migrated for this storage group: *number of migrated files*

Explanation: For a file space report, this summary message indicates the total number of files in this file space that are migrated. For a storage group report, this summary message indicates all files migrated for the storage group. It contains the following fields:

- Report type—Displays either file space or storage group
- Number of migrated files—The number of files migrated

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3127I Physical 4K blocks in use by secondary storage for this file space: *number of blocks*

FSM3127I Physical 4K blocks in use by secondary storage for this storage group: *number of blocks*

Explanation: For a file space report, this summary message indicates the number of 4K blocks in use by secondary storage. For a storage group report, this summary message indicates the total number of 4K blocks in use by secondary for this entire storage group. It contains the following fields:

- Report type—Displays either file space or storage group
- Number of blocks—The number of 4K blocks used in secondary storage

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3128I Physical 4K blocks in use by this file space: *number of blocks*

FSM3128I Physical 4K blocks in use by this storage group: *number of blocks*

Explanation: For a file space report, this summary message indicates the number of physical 4K blocks in use by this file space. For a storage group report, this summary message indicates the number of physical 4K blocks in use by this storage group. When files are migrated, they no longer use space in primary storage; however, they do use space in secondary storage. The physical space number consists of what the user is actually using in primary storage and secondary storage. The message contains the following fields:

- Report type—Displays either file space or storage group

- Number of blocks—The number of physical 4K blocks in use

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3129I Logical 4K blocks currently in use by this file space: *number of blocks*

FSM3129I Logical 4K blocks currently in use by this storage group: *number of blocks*

Explanation: For a file space report, this summary message indicates the number of logical 4K blocks in use (committed blocks used) by primary storage for this file space. For a storage group report, this summary message indicates the total number of logical 4K blocks in use (committed blocks used) by primary storage for all enrolled users in the storage group. This is the amount of storage that would have been used by this file space or storage group if files were not migrated. The message contains the following fields:

- Report type—Displays either file space or storage group
- Number of blocks—The number of logical 4K blocks in use

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3130I Number of files files recalled from migration level 1

Explanation: This message appears in the RECALL report and indicates the total number of files successfully recalled from migration level 1.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3131E File *fn ft dirid* not recalled due to error

Explanation: This message is sent to the user if an error has occurred and a file cannot be recalled. Further information appears in the log.

System action: The file is not recalled, and processing proceeds to the next file.

Storage Administrator Response: Check the reader files and log messages to resolve the problem.

Suggested Action: Contact the storage administrator.

FSM3132I Number of files files migrated to migration level 1

Explanation: This message appears in the MIGRATE report and indicates the total number of files successfully migrated to migration level 1.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3133E File *fn ft dirid* not migrated due to error

Explanation: An error has occurred migrating the specified file. Further information regarding the error appears in the report file or in the log.

System action: The file is not migrated.

Storage Administrator Response: Check the reader files and log messages to resolve the problem.

Suggested Action: Contact the storage administrator.

FSM3134W No files found which match the specified criteria

Explanation: No files have been found that match the criteria specified with the ALTER, MIGRATE, or RECALL command. Criteria includes pattern-matching characters specified for the file name or file type. This message also appears when files have been found that match the specified criteria but all files are not selected for processing because of an error (requester is not authorized to the file, the file is not a base file or an alias file, the file is not migrated [for recall], the file is already migrated [for migrate], and so on).

System action: None.

Storage Administrator Response: None.

Suggested Action: Verify the pattern-matching character specification on the command, and the authorization to the files to be processed.

FSM3135E Files in directory *dirid* not eligible for migration

Explanation: A request has been received to migrate files from a file space whose top directory name begins with DFSMS. DFSMS/VM will not migrate files from such a directory.

System action: The MIGRATE command is terminated.

Storage Administrator Response: Ensure file spaces to be managed by DFSMS/VM do not have a top directory name that begin with DFSMS.

Suggested Action: None.

FSM3136I Migration of file *fn ft dirid* not allowed by FSMMECHK exit, return code = *return code*

Explanation: Migration of the specified file has been disallowed by the FSMMECHK installation-wide exit.

System action: The file is not migrated.

Storage Administrator Response: Verify that the FSMMECHK installation-wide exit is controlling the migration of files as desired. If it is not operating as desired, recode and retest the routine.

Suggested Action: Contact the storage administrator.

FSM3137E Migration of file *fn ft dirid* not allowed due to management class *management class* attributes

FSM3137E Migration of file *fn ft dirid* not allowed due to system management class attributes

Explanation: This message indicates that a file failed to migrate during migrate processing because the management class has indicated this file is not eligible for migration.

System action: This file is not migrated.

Storage Administrator Response: If the resulting action (no migration) is intended, then no further action is necessary. However, if the management class attributes are incorrect, then they should be updated and the configuration containing the new attributes must be activated before the file will be migrated. If the file has an inappropriate management class, the routines that the installation uses to assign management classes needs to be reviewed and updated. The ALTER or CONVERT commands can be used to change the management class as appropriate.

Suggested Action: Contact the storage administrator.

FSM3138E Recall of file *fn ft dirid* rejected by ACS processing, reason = *reason code*

Explanation: If ACS processing fails a request because the installation-wide exit requests that failure, this message is logged and put in the report file that is sent to the user who requested the RECALL. The reason in the message is determined by the installation, by one of the following:

1. ACS routine exit code
2. ACS REXX exit return code
3. ACS module exit reason code

System action: Recall for this file stops.

Storage Administrator Response: If the intent is to fail the recall operation, no further action is necessary. If ACS processing is not operating in a manner that you have intended, then you need to tailor ACS processing appropriately and reactivate the configuration before the file can be recalled. Check the log for further information.

Suggested Action: Contact the storage administrator.

FSM3139I *Number of processed files out of number of eligible files* **files moved from ML1 to ML2 for storage group *storage group* in file pool *file pool***

FSM3139I *Number of processed files out of number of eligible files* **files migrated from primary storage to ML1 storage group *storage group* in file pool *file pool***

FSM3139I *Number of processed files out of number of eligible files* **files migrated from primary storage to ML2 storage group *storage group* in file pool *file pool***

Explanation: This message indicates the status of file

movement and migration during MANAGE command processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3140I Erasure and migration of files not performed. Storage group is below high threshold

Explanation: If THRESHOLD is specified or defaulted to the MANAGE command, space in use by primary storage is checked before beginning erasure and migration. If the space utilization is below the high threshold level specified by the storage administrator in the control file, MANAGE command processing is not performed.

System action: The MANAGE command is terminated.

Storage Administrator Response: None.

Suggested Action: None.

FSM3141I File *fn ft dirid* was erased

Explanation: When a file is erased as part of MANAGE command processing, this message appears in the report sent to the command issuer.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3142E File *fn ft dirid* not erased due to error

Explanation: An error has occurred in erasing the specified file during MANAGE command processing.

System action: MANAGE command processing continues.

Storage Administrator Response: See the DFSMS log messages or the report file, or both, for prior messages that describe the error.

Suggested Action: None.

FSM3143I Migration of files not performed. Erasure of expired files brought storage group below low threshold

Explanation: The MANAGE command performs erasure and migration of files based on threshold values. If storage group utilization has been brought below the low threshold value by erasing expired files, this message is issued and MANAGE command processing is completed.

System action: The MANAGE command processing is completed.

Storage Administrator Response: None.

Suggested Action: None.

FSM3144I DFSMS MANAGE STORGRP command summary:

Explanation: This message is the first line of the summary section of the MANAGE command.

System action: The MANAGE command summary is printed.

Storage Administrator Response: None.

Suggested Action: None.

FSM3145I *Number of files files occupying number of blocks* **4K blocks erased**

FSM3145I *Number of files files occupying number of blocks* **4K blocks have been migrated from primary storage to ML1**

FSM3145I *Number of files files occupying number of blocks* **4K blocks have been migrated from primary storage to ML2**

FSM3145I *Number of files files occupying number of blocks* **4K blocks have been moved from ML1 to ML2**

Explanation: This message indicates the number of files and 4K blocks processed during the MANAGE command.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3146I **DFSMS MANAGE processing started for storage group** *storage group in file pool file pool*

Explanation: This message is written at the beginning of each MANAGE command to identify this as a manage report.

System action: The MANAGE command processing continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3147I **High Threshold:** *high threshold* **Low Threshold:** *low threshold*

Explanation: The high and low thresholds specified in this message are the high and low shared file system storage group thresholds specified by the installation in the DFSMS control file. If thresholds are specified on a MANAGE command, processing is started only if the storage group utilization is above the high threshold. When thresholds are specified, processing continues until storage group utilization reaches low threshold.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3148I **Storage group percent utilization before MANAGE:** *percent utilization*

Explanation: This message indicates the percentage of storage group in use by shared file system before MANAGE command expiration and migration processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3149I **Storage group percent utilization after MANAGE:** *percent utilization*

Explanation: This message indicates the percentage of the storage group in use by shared file system after the MANAGE command expiration and migration processing have occurred. When *percent utilization* is -1, it indicates that the attempt to obtain the storage group utilization has resulted in an error.

System action: None.

Storage Administrator Response: Check the log in the DFSMS master for a message indicating that calling CSL routine DMSQUSG resulted in an error.

Suggested Action: None.

FSM3150I **DFSMS command completed with no errors**

Explanation: The specified DFSMS command has been completed.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3151I **DFSMS STOP SMS command accepted. DFSMS is stopping**

Explanation: DFSMS has accepted the STOP command for processing and is about to terminate.

System action: DFSMS shuts down.

Storage Administrator Response: None.

Suggested Action: None.

FSM3152I **DFSMS command processing started for** *fn ft dirid*

Explanation: This message indicates processing has started for the DFSMS command.

System action: DFSMS/VM continues processing.

Storage Administrator Response: None.

Suggested Action: None.

FSM3153I **DFSMS command request identifier** *request id*

Explanation: This message identifies the command associated with this report and the identifier assigned to the request. This request identifier can be used to DISCARD the command.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3154I **Erasure of file** *fn ft dirid* **not allowed by FSMMECHK exit, return code =** *return code*

Explanation: This file has expired, but its erasure is disallowed by the FSMMECHK installation-wide exit.

The return code in this message is the return code from the FSMMECHK exit.

System action: The file is not erased.

Storage Administrator Response: Verify that the FSMMECHK installation-wide exit is controlling the erasure of files as desired. Refer to *z/VM: DFSMS/VM Customization* for return code information.

Suggested Action: None.

FSM3155W Unable to process request. Installation specified DFSMS as expiration only

FSM3155W No migration of files is performed. Installation specified DFSMS as expiration only

Explanation: The MIGRATION_LEVEL_1 parameter in DFSMS control file DGTVCNTL DATA in VMSYS:DFSMS.CONTROL has not been specified by this installation. This means that DFSMS/VM is operating in an expiration-only mode and can perform no migration and no recall of files. If the user has issued a DFSMS REPORT SPACEMANAGEMENT FILESPACE command, which gives a report on migrated files, the command ends. If the user has issued a MANAGE command, the only processing of the storage group is the erasure of expired files.

System action: MANAGE command processing ends after expired files are erased. Other requests are not processed (migration of file, recall of file, or report file space).

Storage Administrator Response: Verify that you want DFSMS/VM to be in expiration-only mode. If expiration-only mode is not intended, there may have been some error specifying the MIGRATION_LEVEL_1 parameter in DFSMS control file DGTVCNTL DATA in VMSYS:DFSMS.CONTROL. Check the DFSMS master machine console log for messages issued when DFSMS/VM was initialized and take appropriate action.

Suggested Action: Contact the storage administrator.

FSM3156E File *fn ft dirid* missing migrated data and cannot be recalled

Explanation: This message appears on the RECALL report when an attempt is made to recall a file, and the migrated data for that file is missing. This may occur if control file parameters GLOBAL_RESOURCE_ID and FULLY_QUALIFIED_LUNAME have been renamed, and the procedures documented in the *z/VM: DFSMS/VM Storage Administration* have not been followed. This may also occur if secondary storage has been modified.

System action: Processing continues with the next file or directory.

Storage Administrator Response: Verify that the control file parameters GLOBAL_RESOURCE_ID and FULLY_QUALIFIED_LUNAME have not been renamed. These values are used for the naming hierarchy for secondary storage. These values can only be changed if there is no migration level 2 data, or if all migrated data in migration level 2 has been recalled. These

values can be changed if there is migration level 1 data, by following the procedures documented in the *z/VM: DFSMS/VM Storage Administration*. Ensure that secondary storage cannot be modified. Restore the file from a backup copy if the problem cannot be resolved.

Suggested Action: Contact the storage administrator.

FSM3157E Userid not enrolled in file pool

Explanation: An invalid user ID has been entered for the DFSMS REPORT SPACEMANAGEMENT FILESPACE or the DFSMS REPORT SPACEMANAGEMENT command. The requested user ID is not enrolled in the requested file pool.

System action: Processing of this command stops.

Storage Administrator Response: None.

Suggested Action: Check the user ID that has been entered and reissue the command if necessary.

FSM3158I DFSMS *command* completed, but warning or error conditions have occurred

Explanation: The specified DFSMS command has completed processing but errors have been found. Further information about the errors may be found in the log and in the report file.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3159I DFSMS *command* could not complete

Explanation: The specified DFSMS command cannot be completed because errors have been found during processing. Further information regarding the errors may be found in the log or in the report.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3160I DFSMS master is stopping

Explanation: DFSMS master is stopping as a result of a STOP command and is no longer accepting new requests.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3161I DFSMS master is running

Explanation: This message indicates that DFSMS master is running, and is able to accept requests.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3162I DFSMS has *nnnn* outstanding requests

Explanation: This message indicates the total number of requests that have not yet started processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3163I Migration Level 1: *insert value*

Explanation:

- For a file space report: When this summary message follows FSM3126, it indicates the number of files migrated to migration level 1. The insert value represents a count of all files migrated for the specified file space. When this summary message follows FSM3127, it indicates the number of 4K blocks in use by migration level 1. The insert value represents the number of 4K blocks used in migration level 1 for the specified file space.
- For a storage group report: When this summary message follows FSM3126, it indicates the total number of files migrated to migration level 1. This value is a summation of the number of files migrated for each file space enrolled in this storage group. The insert value represents a total count of files migrated for all users enrolled in the storage group. When this summary message follows FSM3127, it indicates the total number of 4K blocks in use by migration level 1. This value is a summation of the number of 4K blocks used in migration level 1 for each file space enrolled in this storage group. The insert value represents the total number of 4K blocks used in migration level 1 for all users enrolled in the storage group.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3164I Migration Level 2: *insert value*

Explanation:

- For a file space report: When this summary message follows FSM3126, it indicates the number of files migrated to migration level 2. The insert value represents a count of all files migrated for the specified file space. When this summary message follows FSM3127, it indicates the number of 4K blocks in use by migration level 2. The insert value represents the number of 4K blocks used in migration level 2 for the specified file space.
- For a storage group report: When this summary message follows FSM3126, it indicates the total number of files migrated to migration level 2. This value is a summation of the number of files migrated for each file space enrolled in this storage group. The insert value represents a total count of files migrated for all users enrolled in the storage group. When this summary message follows FSM3127, it indicates the total number of 4K blocks in use by migration level 2 when used following the physical 4K blocks in use by

secondary storage message. This value is a summation of the number of 4K blocks used in migration level 2 for each file space enrolled in this storage group. The insert value represents the total number of 4K blocks used in migration level 2 for all users enrolled in the storage group.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3165I Physical 4K blocks in use by primary storage for this file space: *number of blocks***FSM3165I Physical 4K blocks in use by primary storage for this storage group: *number of blocks***

Explanation: This summary message indicates the number of physical 4K blocks in use by primary storage for either this file space or this storage group. The physical space number consists of what the user is actually using in primary storage for a file space report or a summation of the actual primary storage for all users enrolled in a storage group for a storage group report. The message contains the following fields:

- Report type—Displays either file space or storage group
- Number of blocks—The number of physical 4K blocks in use in primary storage

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3166I Physical 4K blocks saved for this file space due to compaction: *number of blocks***FSM3166I Physical 4K blocks saved for this storage group due to compaction: *number of blocks***

Explanation: This summary message indicates the number of 4K blocks saved due to compaction for this file space for a file space report. For a storage group report, this summary message indicates the total number of 4K blocks saved for this storage group due to compaction. The message contains the following fields:

- Report type—Displays either file space or storage group
- Number of blocks—The number of 4K blocks saved due to compaction

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3167E Management class for *fn ft dirid* not in the active configuration

Explanation: This message indicates that a management class is not in the active configuration during RECALL, MIGRATE, MANAGE, or CONVERT processing. Note that the management class that is not in the active configuration is the new management class that the ACS routines have determined for this file or directory.

System action: If a RECALL is being processed, the file is assigned no management class and the file is recalled. If any other function is being performed (MIGRATE, MANAGE, or CONVERT), the file or directory is not processed and processing continues with the next eligible file or directory.

Storage Administrator Response: Other messages will be displayed on the console or to the log with further information.

Suggested Action: Contact the storage administrator.

FSM3168W Installation failed ACS request for *fn ft dirid*, reason code = *reason code*

Explanation: Automatic class selection processing has rejected this request. Reason is the ACS exit code. The request may be failed either by the ACS routine, the installation REXX exit, or the module exit.

System action: Automatic class selection processing fails for this file or directory. A management class is not assigned to this file or directory. Processing continues with the next file or directory.

Storage Administrator Response: Verify that the system processing that occurred is consistent with your installation's policies. If it is consistent, no action is necessary. If it is not consistent, tailor your ACS processing according to your installation's policies, and activate your configuration.

Suggested Action: None.

FSM3169I DFSMS *command* processing started for file pool *file pool* and storage group *storage group*

Explanation: This message indicates the file pool and storage group that the DFSMS command has been run against. The following fields are displayed in this message:

- Command—Command insert for DFSMS REPORT SPACEMANAGEMENT STORGROUP
- File Pool—The file pool the command is processing
- Storage Group—The storage group the command is processing

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3170I The command has been discarded as a result of a *command* request

Explanation: This message is included in a report sent to the user if the request has been discarded while waiting to be processed or while being processed. *Command* will be either STOP or DISCARD.

A request will be discarded for one of the following reasons:

- DFSMS DISCARD command issued
- ISMF DISCARD command issued
- DFSMS STOP SMS IMMEDIATE command issued
- ISMF STOP command issued
- The 3494 operator cancelled the library request.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3171I File *fn ft dirid* assigned management class *management class*

Explanation: This message indicates that a file has been assigned another management class by the DFSMS CONVERT command.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3172I File with token *delete token* deleted from ML1

FSM3172I File with token *delete token* deleted from ML2

Explanation: The specified file has been deleted from ML1 or ML2 storage. This action is initiated by a DFSMS DELETE command or a CMS ERASE. The DFSMS DELETE command erases an extraneous file from ML1 storage. The CMS ERASE command removes ML1 or ML2 data and references to a migrated file that has been erased.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3173E File *fn ft* not deleted from secondary storage due to error

Explanation: An attempt to delete the specified file from secondary storage has failed, but the primary catalog entry for the file has been erased. This action has been initiated by a DFSMS DELETE command or a CMS ERASE command. For the DFSMS DELETE command, an erasure of an extraneous file from secondary storage has failed. For the CMS ERASE command, removal of secondary storage data and all references to a migrated file have failed. The failure of this file deletion implies that this file remains in secondary storage as an extraneous file.

System action: The DFSMS DELETE command or CMS ERASE command fails.

Storage Administrator Response: The specified file

in secondary storage should be deleted. Check the log file for additional details as to why the command has failed.

Suggested Action: None.

FSM3174I *nnnn files and directories converted*

Explanation: This message indicates the total number of files and directories that were successfully processed during the CONVERT or MANAGE command.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3175E **Errors occurred while attempting to load ACS exits**

Explanation: ACS exits cannot be loaded. If a CONVERT command issues this message, the command terminates because without the ACS exits, CONVERT is unable to determine the management class assignments for files and directories. If a MANAGE command issues this message, MANAGE continues, but assignment of management classes to files with no management class does not occur.

System action: Command processing terminates if a CONVERT has been issued. Command processing continues if MANAGE has been issued, but no conversion occurs for files or directories that have no management class, therefore these files are ignored in the manage process.

Storage Administrator Response: Check the log messages of the server that has been running the command for further information regarding the problem with loading the ACS exits. Correct the problem and resubmit the CONVERT or MANAGE command.

Suggested Action: None.

FSM3176I *nnnn files and directories could not be converted*

Explanation: This message indicates the total number of files and directories that have not had a management class assigned to them during CONVERT processing. This count also includes items not converted because ACS processing has rejected the assignment of a management class to a file or directory, or that ACS processing has attempted to assign a management class that is not in the active configuration. More information regarding the error can be found in the command report file or the DFSMS log files, or both.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3177I **DFSMS CONVERT processing started for storage group *storage group* in file pool *file pool***

Explanation: This message, issued at the start of the CONVERT command, indicates which file pool and storage group that the CONVERT command is being run against.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3178E **Management class *management class* not in the active configuration**

Explanation: This message is issued during DFSMS MANAGE or MIGRATE when processing a file managed with a management class that is not in the active configuration. No space management operations can be made on this file.

System action: The file is not migrated or erased. DFSMS MANAGE or MIGRATE processing continues with the next file.

Storage Administrator Response: If this management class should be in the active configuration, then update the configuration and reactivate it. If the file or directory needs a different management class, then use the CONVERT or ALTER command to update the management class of the file or directory.

Suggested Action: Contact the storage administrator.

FSM3179E **File *fn ft dirid* not converted due to error**

Explanation: An error has occurred during processing and the file has not had a new management class assigned to it.

System action: Processing continues with the next eligible file.

Storage Administrator Response: Check the log messages for further information regarding the error.

Suggested Action: None.

FSM3180E **Token *token* not found**

Explanation: The token specified on the DFSMS DELETE command is invalid. This token does not map to any valid DFSMS file that needs to be deleted. Either the token has been entered incorrectly, or the file has already been deleted.

System action: No file in DFSMS secondary storage is deleted.

Storage Administrator Response: Verify that you have entered the correct token and resubmit the command if necessary. If you have obtained the token from a report that is out-of-date, the file may already have been deleted. Reissue the DFSMS REPORT command to determine if the token is still valid.

Suggested Action: None.

FSM3181E **File *fn ft dirid* is currently locked by another user and cannot be processed, reason code = *reason code***

Explanation: If the ALTER command has been issued, the file's management class cannot be changed due to the file being locked. If the CONVERT command has been issued, the file cannot have another management class assigned to it due to a lock. If a MANAGE command has been issued, the file cannot be erased. If a MIGRATE or RECALL command has been issued, the

request cannot be processed.

System action: The file is not processed. Processing continues with the next eligible file for MANAGE or CONVERT. Command processing stops for others.

Storage Administrator Response: Issue CMS QUERY LOCK to determine if the lock is an explicit one held by another user. After that user has released the lock, resubmit the command. If the lock is implicit or is held by the system, resubmitting the request at a later time, after the lock is released, should remove the problem.

Suggested Action: If the user has an explicit lock on the file in question, the user must release the lock and reissue the command. Otherwise, contact the storage administrator.

FSM3182E User not authorized to issue command

Explanation: The issuer of this command is not authorized to perform this function. If the command issued is a MANAGE or CONVERT, the issuer must be a DFSMS administrator in order to issue the command. If the command issued is a DFSMS REPORT SPACEMANAGEMENT FILESPACE, the issuer must be a DFSMS administrator and an SFS administrator if the command is issued against a file space other than the issuer's own file space. If the command issued is a DFSMS REPORT SPACEMANAGEMENT STORGROUP, the issuer must be a DFSMS administrator and an SFS administrator.

System action: Processing of this command stops.

Storage Administrator Response: If the user should be authorized to issue this command, update the appropriate user's authorization and ask the user to resubmit the command.

Suggested Action: Contact the storage administrator.

FSM3183I DFSMS command processing started for file pool *file pool* and userid *userid*

Explanation: This message indicates the file pool and user ID that the DFSMS command has been run against.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3184I File *fn ft dirid* assigned a null management class

Explanation: This message indicates that a file has been successfully assigned the NULL management class during convert processing. This means that during migration and manage processing, the parent directory management class is used to determine management class characteristics. If the parent management class is also null, then the default management class is used during migrate and manage to determine the criteria by which the file is to be processed.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3185E File *fn ft dirid* not found or you are not authorized

Explanation: This message appears in the ALTER, MIGRATE, and RECALL reports when the command issuer does not have the appropriate authority to the indicated file. Write authority is needed to migrate a file and read authority is needed to alter or recall a file.

System action: Processing continues with the next file or directory.

Storage Administrator Response: None.

Suggested Action: Contact the owner of the file and ask for the appropriate level of authority to the file.

FSM3186I MANAGE processing for storage group *storage group* in file pool *file pool* now moving files from ML1 to ML2

FSM3186I MANAGE processing for storage group *storage group* in file pool *file pool* now migrating files from primary storage to ML1

FSM3186I MANAGE processing for storage group *storage group* in file pool *file pool* now migrating files from primary storage to ML2

Explanation: This message indicates the start of file movement or migration during MANAGE command processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3187E File *fn ft dirid* not migrated, cannot be recalled

Explanation: This message appears in the RECALL report when an attempt is made to recall a file that is not migrated.

System action: Processing continues with the next file or directory.

Storage Administrator Response: None.

Suggested Action: None.

FSM3188E File *fn ft dirid* is empty and cannot be migrated

Explanation: This message appears in the MIGRATE report when an attempt is made to migrate an empty file.

System action: Processing of this request stops.

Storage Administrator Response: None.

Suggested Action: None.

FSM3189E File *fn ft dirid* not base file or alias, cannot be processed

Explanation: This message appears in the MIGRATE or RECALL report when an attempt is made to migrate or recall an external object, or revoked or erased alias.

Only base and alias files can be migrated or recalled.

System action: Processing of this request stops.

Storage Administrator Response: None.

Suggested Action: None.

FSM3190I DFSMS DELETE ML2BACKUP processing started for storage group *storage group* in file pool *file pool* for entries with dates previous to *date*

Explanation: This message is written at the beginning of each DELETE ML2BACKUP command to identify this as a DELETE ML2BACKUP report.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3191I File *fn ft dirid* assigned no management class

Explanation: This message indicates that a file has not been assigned a management class. This action causes no impact to the end user; however, DFSMS requires a management class in order to manage the file. Assigning no management class may have been caused by one of the following conditions:

- DFSMS has encountered an internal error while determining the management class for the file during creation, or during recall.
- DFSMS has been operational but there is no active configuration.
- An attempt has been made to assign a management class that is not in the active configuration.
- The installation module exit encountered errors during DFSMS ACS processing.
- The installation REXX exit has abended during DFSMS ACS processing.

System action: Processing of the user's request continues.

Storage Administrator Response: Check the DFSMS logs for further information on the error. To assign a management class to the file, run DFSMS MANAGE, DFSMS MIGRATE or DFSMS CONVERT against the storage group, or use the ALTER line operator. For additional details, see *z/VM: DFSMS/VM Storage Administration*.

Suggested Action: None.

FSM3192E Error creating directory *dirid*

Explanation: Only a top directory has been specified or DFSMS/VM has called CSL routine DMSCRDIR to create directory *dirid*, but an error has occurred. If a DMSCRDIR error has occurred, the return code and reason codes returned from the CSL routine are given in message FSM0513.

System action: Directory creation is a critical DFSMS/VM function. DFSMS/VM stops if this error occurs during initialization processing.

Storage Administrator Response: Consult *z/VM: CMS Callable Services Reference* and attempt to

resolve the condition that has caused the error.

Suggested Action: None.

FSM3193I Directory *dirid*

Explanation: This message is a header for the file space report. It identifies the directory of the files.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3194E File *fn ft dirid* with migration token *delete token* is migrated and cannot be deleted

Explanation: The specified file has not been deleted from secondary storage. A migration token has been provided, but the file that matches that migration token is migrated. When a file is migrated, you cannot delete the migrated data. The DELETE command is used only to resolve out-of-synch conditions.

System action: None.

Storage Administrator Response: None.

Suggested Action: Verify the migration token that has been entered is valid and resubmit the request if necessary.

FSM3195E Directory *dirid* is under directory control and cannot be processed

Explanation: A request has been received to process files in a directory under directory control. Files cannot be migrated or recalled if they reside in a directory under directory control.

System action: The request is terminated.

Storage Administrator Response: None.

Suggested Action: None.

FSM3196E Directory *dirid* not found or you are not authorized

Explanation: This message appears in the ALTER, MIGRATE, and RECALL reports when the command issuer does not have the authority to alter, recall, or migrate a file from the specified directory. It also appears if the directory does not exist.

System action: Processing of the request ends and the report is sent to the command issuer.

Storage Administrator Response: None.

Suggested Action: None.

FSM3197E File *fn ft dirid* already migrated

Explanation: This message appears in the MIGRATE report when an attempt is made to explicitly migrate a file that has already been migrated.

System action: Processing ends.

Storage Administrator Response: None.

Suggested Action: None.

FSM3198E Invalid file *fn ft* found in ML1

Explanation: This message appears in the REPORT STORGROUP report when an invalid file is found in migration level 1. Creation of files in migration level 1 should only be done by DFSMS/VM or by a restore product that properly uses DFSMS/VM interfaces.

If you have allowed users to create files in migration level 1, this access should be removed and files that have been created by those users should be deleted. If this file has been created as a result of your restore process, this error indicates that a file has not been properly restored. Verify that your restore process is working properly and is using the proper DFSMS/VM interfaces.

System action: Processing continues.

Storage Administrator Response: Determine the cause of the invalid files in migration level 1. Delete the invalid files and secure migration level 1 as necessary.

Suggested Action: None.

FSM3199E Storage group specified is not defined in the file pool

Explanation: The storage group specified in the CONVERT or MANAGE command is not one that is defined in the specified file pool.

System action: Processing of this command ends. The next command is processed.

Storage Administrator Response: Enter a valid storage group number and resubmit the command.

Suggested Action: None.

FSM3200I DFSMS server *server userid* has *number of tasks* tasks available for work and *number of tasks* tasks busy

Explanation: This message is displayed on the user's console, is issued once for each DFSMS server that is active, and indicates the number of tasks on that server that are currently processing DFSMS requests and the number of tasks on that server that are inactive. The number of tasks available for work should equal the number of tasks that the installation has defined in the DFSMS control file for that server. If it is less, some tasks may have abended.

System action: None.

Storage Administrator Response: If some tasks have abended, consult the DFSMS logs or console files to determine the causes. If a significant number of the tasks have abended, stop DFSMS (by issuing DFSMS STOP command) and restart DFSMS.

Suggested Action: None.

FSM3201E No DFSMS servers running

Explanation: This message is displayed on the user's console during DFSMS QUERY STATUS processing when the DFSMS master machine determines that there are no DFSMS servers available to accept work.

System action: None.

Storage Administrator Response: Investigate why no

DFSMS servers are available and log them on as necessary. Examine the DFSMS control file to determine if there are DFSMS servers identified in the DFSMS_SERVER_VM records. Note that if any change is made to the control file, DFSMS must be stopped (by issuing DFSMS STOP command) and restarted to use those changes. Also, the minidisk servers could have been defined but not operational since no work has been issued to the servers.

Suggested Action: None.

FSM3202E Send or receive of work from DFSMS master to server *DFSMS server userid* has failed

Explanation: An attempt has been made to either send work to a DFSMS server or receive work back from a DFSMS server and APPC/VM communications have failed. This message appears in the log and indicates the user ID of the server that encountered the problem. If the command that failed has a report file associated with it, this message also appears in the report file. However, the specific server that encountered the problem will not be listed in the message that is displayed in the report file.

System action: If an attempt has been made to send the request to a server, the request fails and a response is sent back to the user indicating that an error has occurred. If an attempt has been made to receive the completed work from the server, the user gets an indication that an error has occurred, but all of the messages that the user normally receives in a report file may not be there. The log file can be checked for messages pertinent to the command that the send or receive failed on.

Storage Administrator Response: Verify that the DFSMS servers are operational. If they are not operational, autolog the servers.

Suggested Action: Check to see if the command has actually completed and resubmit it, if necessary.

FSM3203I Virtual machine name is running

Explanation: This message indicates that the virtual machine *virtual machine name* is running and is able to accept requests.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3204E File pool *file pool* not available

Explanation: A file pool is not operational. This can be either the migration level 1 file pool specified in the DFSMS control file, the user's file pool, or the VMSYS file pool.

System action: The processing for this request is failed.

Storage Administrator Response: Verify that the named file pool is operational. If it is operational, and the command issued is DFSMS REPORT SPACEMANAGEMENT FILESPACE or DFSMS

REPORT SPACE MANAGEMENT STORGROUP, then ensure that the migration level 1 file pool specified in the DFSMS control file is correct. Autolog the file pool if it is not operational.

If the command issued is DFSMS MIGRATE, then the file pool could be either the migration level 1 file pool or a user's file pool.

Suggested Action: Contact the storage administrator.

FSM3205E DFSMS server status not determined

Explanation: This message is displayed during DFSMS QUERY STATUS command processing if the status of the DFSMS servers cannot be determined.

System action: None.

Storage Administrator Response: Check the logs to determine what errors are occurring that prevent the status of the servers from being obtained. Correct the problem and rerun the DFSMS QUERY STATUS command to verify that the servers are operational.

Suggested Action: None.

FSM3207E Unable to recall file from secondary to primary storage

Explanation: This message is sent to the user on a RECALL command if an error has occurred and a file cannot be recalled.

System action: The file is not recalled, and processing proceeds to the next file.

Storage Administrator Response: Check the log messages for more information.

Suggested Action: Contact the storage administrator.

FSM3208E Unable to process file *fn ft dirid* due to error

Explanation: An error has occurred while trying to process the specified file. This error has occurred during MANAGE command processing.

System action: The MANAGE command continues processing the storage group.

Storage Administrator Response: See the DFSMS log and report file for further details.

Suggested Action: None.

FSM3209I File *fn ft dirid* was migrated to migration level *migration level*

Explanation: This message appears in the log when a MIGRATE command has been completed.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3210I File *fn ft dirid* was recalled

Explanation: This message appears in the log when a RECALL command has been completed.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3211I *nnnn* files matched the fileid specified

Explanation: This message appears in the MIGRATE, RECALL, and ALTER reports. It indicates the number of files that have matched the input criteria specified in the command. If pattern-matching characters have been used (* or %), the number indicates the number of files that have matched the specified pattern before eligibility criteria can be considered. If no pattern-matching criteria have been used in the file ID, then this number will be a one (1).

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3212I *nnnn* files were eligible for processing

Explanation: This message appears in the ALTER, MIGRATE, and RECALL reports to indicate the total number of files eligible to be processed out of the total number of files that match the input file ID. A file is ineligible when DFSMS finds one of the following to be true for the file:

- File does not exist
- User requesting the ALTER, MIGRATE, or RECALL is not properly authorized to a file (for MIGRATE, write authority to the file is required; for ALTER or RECALL, read authority is required)
- Type or status of file is not base or alias (MIGRATE or RECALL)
- Base file resides in a file space whose top directory starts with DFSMS
- File is already migrated (MIGRATE only)
- File is not migrated (RECALL only)
- File contains no records (it is empty) (MIGRATE or RECALL)

Be aware that it is possible for an eligible file to fail alteration, migration, or recall due to an error in processing the request. For example, SFS may encounter an error while processing the file, or a DFSMS error may occur.

System action: None.

Storage Administrator Response: None.

Suggested Action: Error messages indicating why the request has failed may be found in the report file. The message that follows this message in the report file indicates the total number of files that have been successfully migrated or recalled.

FSM3213I DFSMS will not restart the request. Please resubmit

Explanation: DFSMS has been stopped as a result of a DFSMS STOP command. This request has been discarded and will not be restarted once DFSMS restarts.

System action: None.

Storage Administrator Response: None.

Suggested Action: Resubmit the request.

FSM3214I DFSMS will restart the request

Explanation: DFSMS has been stopped as a result of a DFSMS STOP command. This request was discarded but will be restarted once DFSMS restarts.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3215E File *fn ft dirid* could not be migrated because the migration level 1 file pool is full

Explanation: This message is logged and put in a report file that is sent to the user during a migrate if the migration level 1 file pool is full.

System action: The file is not migrated, and processing proceeds to the next file.

Storage Administrator Response: Increase the space for migration level 1 storage.

Suggested Action: Contact the storage administrator.

FSM3216W No files eligible for MIGRATE

FSM3216W No files eligible for RECALL

FSM3216W No files eligible for ALTER

Explanation: An ALTER, MIGRATE, or RECALL command has been issued with a file ID containing pattern-matching characters and files have been found but all files do not meet eligibility criteria. DFSMS/VM found one or more of the following:

- File does not exist
- User requesting the command is not properly authorized to a file (for MIGRATE, write authority to the file is required; for RECALL, read authority is required)
- Type or status of file is not base or alias (MIGRATE and RECALL)
- Type or status of file is not base (ALTER)
- File resides in a file space whose top directory starts with DFSMS
- File resides in a storage group where migration level 1 is defined (MIGRATE and RECALL)
- File is already migrated (MIGRATE only)
- File is not migrated (RECALL only)
- File contains no records; it is empty (MIGRATE and RECALL)
- The management class of the file is identical to the management class submitted with the ALTER request

System action: None.

Storage Administrator Response: None.

Suggested Action: Verify specification of file ID in the command, check for proper authorization, and check status of file or files.

FSM3218W Deadlock detected from CSL routine *CSL routine*, reason code = *reason code*. Retrying request for migration of *fn ft dirid*

Explanation: DFSMS has called CSL routine *CSL routine* to perform processing, but an SFS deadlock condition has been detected during processing, and the CSL routine failed returning reason code *reason code*.

System action: DFSMS/VM retries the request.

Storage Administrator Response: None.

Suggested Action: None.

FSM3219I DFSMS master is waiting for access to *file pool file space* before continuing initialization

Explanation: This message is displayed on the DFSMS master console during initialization when a file pool that the master needs to access is not yet available. The master periodically issues this message until the file pool becomes available and initialization continues or the master times out and terminates.

System action: None.

Storage Administrator Response: Start the file pool.

Suggested Action: None.

FSM3220E File space portion of the *MIGRATION_LEVEL_1* parameter must be an enrolled user of the file pool specified on that parameter

Explanation: This message is displayed on the DFSMS master console during initialization when a *MIGRATION_LEVEL_1* parameter has been specified with a file space that is not enrolled in the file pool specified on the *MIGRATION_LEVEL_1* parameter.

System action: Initialization of the DFSMS master fails.

Storage Administrator Response: Verify that the correct file pool and file space have been specified. If they are correct, make sure the file space is enrolled in the file pool with the appropriate amount of space. See *z/VM: DFSMS/VM Customization* for details.

Suggested Action: None.

FSM3221E Storage group *group number* in file pool *file pool* cannot be managed by DFSMS

Explanation: DFSMS cannot manage files residing in the same storage group where migration level 1 secondary storage is defined. The storage group *group number* in the file pool *file pool*, both specified in a MANAGE command, is the same as the storage group where migration level 1 secondary storage is defined. This is defined by the *MIGRATION_LEVEL_1* parameter in the DFSMS control file.

System action: MANAGE request is not processed.

Storage Administrator Response: None.

Suggested Action: Make sure files to be managed by DFSMS do not exist within a file pool and storage group where secondary storage is defined.

FSM3222E File *fn ft dirid* is in a storage group where ML1 file space is defined

Explanation: DFSMS/VM does not migrate a file that resides in the same storage group where secondary storage is defined.

System action: File is not migrated.

Storage Administrator Response: None.

Suggested Action: Make sure files to be managed by DFSMS do not exist within a file pool and storage group where secondary storage is defined.

FSM3224E ML2 data unavailable due to an error

Explanation: An unexpected error has occurred while trying to access migration level 2 data during a REPORT FILESPACE or a REPORT STORGROUP command.

System action: The DFSMS REPORT STORGROUP and DFSMS REPORT FILESPACE commands fail until either the migration level 2 error is resolved or the definition for migration level 2 is removed from the DFSMS control file.

Storage Administrator Response: Check the log files for additional error messages that document the problem concerning the migration level 2 repository. Resolve the problem and resubmit the command.

Suggested Action: Contact the storage administrator.

FSM3225E Invalid value in control file. Low threshold must be less than high threshold

Explanation: During DFSMS control file processing, both low threshold and high threshold have been specified—either explicitly in the control file or implicitly by default values or a combination of both. The low threshold must be less than the high threshold.

System action: DFSMS/VM validates the remaining control file parameters and then stops.

Storage Administrator Response: Correct the invalid value. Refer to *z/VM: DFSMS/VM Customization*.

Suggested Action: None.

FSM3226I Number of Date Migration Token for

Explanation: This message is the first header for the storage group report. It identifies the fields in the list representing migrated data for which there are no corresponding files in primary storage.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3227I 4K Blocks Migrated Level Delete Command

Explanation: This message is the second header for the storage group report. It identifies the fields in the list representing migrated data for which there are no corresponding files in primary storage.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3228I Size date migrated migration level delete token

Explanation: This is a data line for the list of files migrated and not having corresponding primary storage data.

- Size—size of file in 4K blocks. This is the number of 4K blocks that would have been required if the file were not migrated.
- Migrated date—date this file has been migrated.
- Migration level—migration level file exists on. A 1 in this field indicates migration level 1. A 2 in this field indicates migration level 2.
- Delete token—delete token. This token may be used on the DELETE command to erase the migrated data since no primary storage reference exists for this token. This is done to resolve out-of-synch conditions.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3230I Directory *dirid* assigned management class *management class*

Explanation: This message indicates that a directory has had a new management class assigned to it during CONVERT processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3231E Directory *fn ft dirid* not converted due to error

Explanation: An error has occurred and the directory has not had a new management class assigned to it during CONVERT processing. The log contains further information regarding errors that have occurred.

System action: The directory is not processed.

Processing continues with the next eligible directory.

Storage Administrator Response: Check the log messages for more information.

Suggested Action: None.

FSM3232E Directory *dirid* is currently locked by another user and cannot be processed, reason code = *reason code*

Explanation: If the CONVERT command has been issued, the directory cannot be converted due to a lock.

System action: The directory is not processed.

Processing continues with the next eligible directory.

Storage Administrator Response: Issue CMS QUERY LOCK to determine if the lock is an explicit one held by another user. After that user has released the lock, resubmit the command. If the lock is implicit or is held by the system, resubmitting the request at a later time, after the lock is released, removes the problem.

Suggested Action: If the user has an explicit lock on

the directory in question, the user must release the lock and reissue the command. Otherwise, contact the storage administrator.

FSM3233I Directory *dirid* assigned a NULL management class

Explanation: This message indicates that a directory has been successfully converted from one management class to another during convert processing. The management class assigned is the NULL management class. This means that during migration and manage processing, files with the NULL management class in this directory will be managed by the system default management class.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3234I Directory *dirid* assigned no management class

Explanation: This message indicates that a directory has not been assigned a management class. A directory that has not been assigned a management class causes no impact to the end user; however, DFSMS requires a management class in order to manage the files in that directory with the null management class. Assigning no management class may have been caused by one of the following conditions:

- DFSMS has encountered an internal error while determining the management class for the directory during creation.
- DFSMS has been operational but there is no active configuration.
- An attempt has been made to assign a management class that is not in the active configuration.
- The installation module exit encountered errors during DFSMS ACS processing.
- The installation REXX exit has abended during DFSMS ACS processing.

System action: Processing of the user's request continues.

Storage Administrator Response: Check the DFSMS logs for the virtual machines for further information on the error. To assign a management class to the directory:

- Issue DFSMS MANAGE or DFSMS CONVERT against the storage group
- Issue DFSMS MIGRATE against the file in the directory with no or null management class
- Issue the ALTER line operator or issue ISMF ALTER FILESPACE command

For additional details, see *z/VM: DFSMS/VM Storage Administration*.

Suggested Action: None.

FSM3235E Communication severed between DFSMS master and DFSMS server

Explanation: Communication has been severed between the master and server. This generally occurs when a system administrator forces off the master or the server machine.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Log on the master or server, or both.

Suggested Action: None.

FSM3236W Installation specified DFSMS as expiration only

Explanation: The MIGRATION_LEVEL_1 parameter in DFSMS control file DGTVCNTL DATA in VMSYS:DFSMS.CONTROL has not been specified by this installation. If migrated files exist during backup or restore and the MIGRATION_LEVEL_1 parameter is not specified, then migrated files cannot be backed up or restored.

System action: If no migrated files exist, backup or restore processing of primary files continue. If migrated files do exist, backup or restore processing fails.

Storage Administrator Response: For backup and restore purposes, either the files should be recalled so the migrated version does not need to be backed up, or the DFSMS control file should be updated with the correct MIGRATION_LEVEL_1 parameter. Do not put DFSMS/VM in expiration-only mode until all migrated files have been recalled.

Suggested Action: Contact the storage administrator.

FSM3237W Unable to reopen the report file after an SFS-detected deadlock

Explanation: In attempting to write a message to the report file, a system deadlock has been detected by SFS and the request has not been processed. An attempt is then made to reopen the report file but is not successful.

System action: Processing of the request continues. Additional messages are not written to the report file but they may appear in the log file or console.

Storage Administrator Response: Investigate the cause of the system deadlock. Messages preceding this message may provide additional information.

Suggested Action: None.

FSM3238E When control file parameter MIGRATION_LEVEL_2 is specified, parameter MIGRATION_LEVEL_1 must also be specified

Explanation: In order to use MIGRATION_LEVEL_2, there must also be a MIGRATION_LEVEL_1 in the control file. Having MIGRATION_LEVEL_1 specified in the control file does not necessarily mean that there will be migration level 1 data stored, but DFSMS requires a migration level 1 file space.

System action: Processing of the control file ends.

Storage Administrator Response: Either delete MIGRATION_LEVEL_2 from the control file or specify the MIGRATION_LEVEL_1 parameter in the control file and then restart DFSMS/VM.

Suggested Action: None.

FSM3239E FILEPOOL RESTORE of ML2 data failed for file pool = *file pool*, storage group = *storage group*

Explanation: During a CMS FILEPOOL RESTORE operation of the storage group indicated in *storage group* and the file pool indicated by *file pool*, an error occurred with the ML2 server which prevented the FILEPOOL RESTORE command from completing successfully.

System action: The FILEPOOL RESTORE command stops.

Storage Administrator Response: Examine the accompanying messages on the virtual machine console that issued the FILEPOOL RESTORE command and resolve the problem. If the problem cannot be resolved, restore the storage group from another backup tape.

Suggested Action: None.

FSM3240E FILEPOOL BACKUP of ML2 data failed for file pool = *file pool*, storage group = *storage group*

Explanation: During a CMS FILEPOOL BACKUP of the storage group indicated in *storage group* and the file pool indicated by *file pool*, an error occurred with the ML2 server which prevented the operation from completing successfully.

System action: The FILEPOOL BACKUP command completes.

Storage Administrator Response: Examine the accompanying messages on the virtual machine console that issued the FILEPOOL BACKUP request and resolve the problem. After the problem is resolved, issue the request again.

Suggested Action: None.

FSM3241E Backup of ML2 entry failed for file pool = *filepool*, storage group = *storage_group*, object identifier = *X"hexnumX"*

Explanation: While performing a backup of the ML2 entry for the file indicated by *filepool*, *storage_group*, and *X"hexnumX"*, an error has occurred that prevents the operation from completing successfully.

System action: The backup of this file fails.

Storage Administrator Response: Examine the accompanying messages on the virtual machine console that was performing the backup and resolve the problem. After the problem is resolved, issue the request again.

Suggested Action: None.

FSM3242I *Number of ML2 files* ML2 files backed up for file pool = *file pool*, storage group = *storage group*

Explanation: A CMS FILEPOOL BACKUP operation has finished backing up files stored in ML2, and this informational message is displayed to indicate the actual number of files that have been backed up.

If an error occurs during the CMS FILEPOOL BACKUP operation, *number of ML2 files* indicates the number of files stored in ML2 that were backed up before the failure occurred.

System action: The FILEPOOL BACKUP command completes.

Storage Administrator Response: If no errors have occurred during processing, verify that *number of ML2 files* is a reasonable number. This should be the number of files migrated to ML2 for the storage group that was backed up. The DFSMS REPORT command can be issued, for the storage group that was backed up, to obtain the number of files migrated to ML2.

If there is a discrepancy between these numbers, further investigation is needed.

Suggested Action: None.

FSM3243I *Number of ML2 files* ML2 files restored for file pool = *file pool*, storage group = *storage group*

Explanation: A CMS FILEPOOL RESTORE operation has completed restoring files stored in ML2, and this informational message is displayed to indicate the number of files that have been successfully restored in the storage group indicated by *storage group* and the file pool indicated by *file pool*.

If an error occurs during the FILEPOOL RESTORE operation, *number of ML2 files* indicates the actual number of files that were restored before the failure occurred.

System action: The FILEPOOL RESTORE command completes.

Storage Administrator Response: If no errors have occurred during processing, verify that *number of ML2 files* is a reasonable number. If it is not, you may wish to investigate further. For example, if there were many files migrated in a file pool that has been backed up, but during the FILEPOOL RESTORE *number of ML2 files* is a small number, check to see if some parameters in the DFSMS control file have been changed which would result in some ML2 files not being found.

If errors occur during a FILEPOOL RESTORE operation, resolve the errors and restore the storage group again.

Suggested Action: None.

FSM3244E Problem with required directory *dirid*

Explanation: A directory required by DFSMS/VM has been erased, or the DFSMS/VM machine issuing this message does not have the authority to create or replace a file in this directory.

System action: This request fails.

Storage Administrator Response: Replace directories that have been erased. Ensure that DFSMS/VM master and server machines are administrators in the VMSYS file pool.

Note: ACS exit directories are required even if no exits are used.

Suggested Action: None.

FSM3245E No ML2 entry found for file pool = *filepool*, storage group = *storage_group*, object identifier = X"*hexnumX*"

Explanation: While performing a backup of the ML2 entry for the file indicated by *filepool*, *storage_group*, and X"*hexnumX*", no ML2 entry was found on the ML2 server.

System action: The backup of this file fails.

Storage Administrator Response: Verify that the file is actually migrated. If it is, restore the file from an earlier backup version using a product which supports the restoration of ML2 data. After it has been restored, the backup operation may be attempted again.

Suggested Action: None.

FSM3250I Migration level 2 server is *server*

Explanation: The server that will process the migration level 2 files is specified.

System action: Processing continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM3260E User not authorized to discard request

Explanation: This message is sent to the user if the user is not authorized to discard this request.

System action: The request is not discarded.

Storage Administrator Response: Grant the user authority for discards if applicable.

Suggested Action: Verify that the request identifier was correct. If you specified an incorrect request identifier, resubmit the request with the appropriate request identifier. If the request identifier was correct, contact the storage administrator.

FSM3261W Request identifier *request id* not found

Explanation: This message is issued if a user requests a discard and the request identifier specified cannot be found.

System action: Processing is discontinued.

Storage Administrator Response: None.

Suggested Action: Verify that the correct request identifier has been entered. If an incorrect request identifier has been entered, resubmit the request with

the appropriate request identifier. If a correct request identifier has been specified, either the request has completed processing or the request has been previously discarded.

FSM3262E Invalid request identifier *request id* specified

Explanation: An invalid request identifier has been specified for discard. You may verify items eligible for discard by issuing the DFSMS QUERY REQUEST command, or DFSMSRM QUERY REQUEST for removable media services.

System action: Processing is discontinued.

Storage Administrator Response: None.

Suggested Action: Verify that the request identifier that you entered was valid via the DFSMS QUERY REQUEST or DFSMSRM QUERY REQUEST command. Resubmit the request with a valid request identifier.

FSM3263W Discard request already in progress

Explanation: This message is sent to the user when the user tries to discard a request that is already in the process of being discarded.

System action: This discard request is ignored.

Storage Administrator Response: None.

Suggested Action: None.

FSM3264E Management class *management class name* not defined in the active configuration

Explanation: This message appears in the report file when a request has been made to change the management class of a file or directory not defined in the active configuration.

System action: The management class is not changed and the ALTER request is discontinued.

Storage Administrator Response: Verify that the management class is correct. If an incorrect management class has been specified, resubmit the request with the appropriate management class name. If the management class is correct, resubmit the ALTER command with the optional FORCE parameter. Because the management class is not in the active configuration, the file is not managed by the system until the source configuration that contains the new management class is activated.

Suggested Action: None.

FSM3265I Request identifier *request id* was discarded successfully

FSM3265I Request identifier *request id* has been scheduled for discard

Explanation: This message indicates that the discard of the request has completed successfully or the scheduling for the discard has completed successfully. Scheduling occurs when discarding either a CONVERT

or a MANAGE request. Because these commands can be discarded after being dispatched for processing, the actual discard may not occur if the request completes before the discard status is recognized by DFSMS/VM.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3266I **Directory assigned management class**
new management class, old
management class was old
management class

Explanation: This message appears in a report file and indicates a request to alter a directory's management class has completed successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3267I *Fn ft newmc*

Explanation: This message is received after the request to alter a file's management class completes successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3268I **REQUEST ISSUED BY TIME STATUS**
OF REQUEST COMMAND TEXT

Explanation: This message is a result of a QUERY REQUESTS command and appears on the user's virtual machine console.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3269I *Request issued by time status command*

Explanation: This is a summary message for a QUERY REQUESTS command that provides information on requests that are found in the system.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3270I *Request issued by time processed of*
created status command

Explanation: This is a summary message for a QUERY REQUESTS command that provides information on the requests that are found in the system.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3271W *Command request id not found*

Explanation: The user has tried to query a request ID that has completed processing, or the user has tried to query a specific request without the proper authority, or the specified request ID does not exist.

System action: Command processing stops.

Storage Administrator Response: Grant authority if appropriate.

Suggested Action: Contact the storage administrator to obtain authority.

FSM3273W **Unable to discard request identifier**
request id, request already in process

Explanation: The user has tried to discard a request that is already in process and it cannot be interrupted.

System action: The discard request is ignored.

Storage Administrator Response: None.

Suggested Action: None.

FSM3274I *Command operand1 operand2 operand3*
operand4 operand5

Explanation: This is a part of the summary message for a QUERY REQUESTS command that provides information on the requests that are found in the system.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM3275E **User not authorized to query other**
user's request

Explanation: The user has tried to query another user's request without having the proper authority to do so.

System action: The request to query another user's request is not permitted.

Storage Administrator Response: Grant the user authority to query the other user's request if applicable.

Suggested Action: Contact your storage administrator for authorization to query. If this message has been received in error, try again.

FSM3276W **No request found for user** *userid* **or**
issuer not authorized

Explanation: Either no requests have been found in the system or the user is not authorized to query requests.

System action: Command processing stops.

Storage Administrator Response: Grant the user authority to query requests, if appropriate.

Suggested Action: Contact the storage administrator to obtain authority to query requests.

FSM3277W No requests found or issuer not authorized

Explanation: The user has made a request to query all requests in the system. Either no requests have been found or the user is not authorized to query requests.

System action: Command processing stops.

Storage Administrator Response: Grant the user authority to query requests, if appropriate.

Suggested Action: Contact the storage administrator to obtain authority to query requests.

FSM3278W Invalid QUERY or issuer not authorized

Explanation: The user has attempted to query a specific request in the system. Either the request made to query is invalid because it was issued against an item that cannot be queried, or the user is not authorized to query requests.

System action: Command processing stops.

Storage Administrator Response: Grant the user authority to query requests, if appropriate.

Suggested Action: Reissue the command with a valid request ID or contact the storage administrator to obtain authority to query requests.

FSM3279E File *fn ft dirid* no longer exists due to the file being erased during command processing.

FSM3279E Directory *dirid* no longer exists due to the directory being erased during command processing.

Explanation: Either the file or the directory specified by the user is not found because it has been erased during command processing, or the server performing the ALTER request is not authorized to the file pool containing the file or directory.

System action: This file or directory is not processed. Processing continues.

Storage Administrator Response: None.

Suggested Action: If you receive this message because the server is not authorized, authorize the server to the file pool containing the file or directory you want to alter.

FSM4000I DFSMS *command request identifier request id (userid address)* succeeded

Explanation: The specified DFSMS command has completed successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4001E User-specified option *option* conflicts with DFSMS control file

Explanation: The specified *option* conflicts with the corresponding DFSMS control file option.

System action: The DFSMS command fails.

Storage Administrator Response: Change the DFSMS control file to accept the user-specified option, if appropriate. DFSMS must be stopped and restarted for the control file option to be used.

Suggested Action: Reissue the DFSMS command with an option that does not conflict with the DFSMS control file, or contact the storage administrator and request that the DFSMS control file be changed.

FSM4002E User-specified option *option* missing or invalid

Explanation: The *option* specified by the user is missing or invalid.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with the correct option.

FSM4003E User-specified options *option1* and *option2* conflict

Explanation: The options specified by the user are conflicting.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with options that do not conflict.

FSM4004E User specified option *option1* requires user specified option *option2*

Explanation: When specifying *option1*, *option2* is required.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command including the required option.

FSM4005E Source minidisk user *userid* invalid or does not exist

Explanation: The specified *userid* is invalid or does not exist.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with a valid user ID.

FSM4006E Source minidisk user *userid* not permitted

Explanation: DFSMS is not permitted to move the specified minidisk.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: None.

FSM4007E Source minidisk address *address* invalid or does not exist

Explanation: The specified minidisk address is invalid or does not exist.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with a valid minidisk address.

FSM4008E User option *option* specified more than once

Explanation: The user has specified the option more than once.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with the option specified only once.

FSM4009E User option *option* cannot be specified with the GROUP keyword

Explanation: The user options STARTCYL and DEVTYPE are not permitted with the GROUP keyword.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with the correct combination of options.

FSM4010I DFSMS *command option* completed

Explanation: The specified DFSMS command has completed successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4011I DFSMS *command option* completed, but warning or error conditions have occurred

Explanation: The specified DFSMS command has completed. Errors have occurred during processing. Further information regarding the error may be found in the log. If this is a command that sends a report back to the user, further information may also be found in the report.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4012I DFSMS *command option* could not complete

Explanation: The specified DFSMS command cannot be completed because errors have occurred during processing. Further information regarding the error may be found in the log. If this is a command that sends a report back to the user, further information may also be found in the report.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4013E *Minidisk is reason*

Explanation: The DFSMS command failed for the specified *reason*. Minidisk can be either the source minidisk or target minidisk.

System action: The DFSMS command fails.

Storage Administrator Response: If the *reason* is RESERVED, change MINIDISK_RESERVED_LIMIT to Y in the DFSMS control file.

Suggested Action: If the *reason* is RESERVED, select the appropriate command option or contact the storage administrator. If the *reason* is EMPTY, select the appropriate command option. If the *reason* is non-CMS, this command is not allowed.

FSM4014E CP/CMS size in cylinders mismatch for source minidisk

Explanation: A size mismatch has occurred for the source minidisk.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command and specify the option that permits a size mismatch.

FSM4015E User-specified option *option* conflicts with *minidisk*

Explanation: The status option specified by the user conflicts with the status of the minidisk. The various values reported for the minidisk status are explained in the *z/VM: DFSMS/VM Storage Administration*.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with the appropriate status option.

FSM4016E Source minidisk record count is greater than target minidisk record count

Explanation: The source minidisk is larger than the target minidisk.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command with a target minidisk specification large enough to contain the source minidisk.

FSM4017E Source minidisk block size does not match target minidisk block size

Explanation: The block size of the source minidisk does not match the block size of the target minidisk.

System action: The DFSMS command fails.

Storage Administrator Response: None.

Suggested Action: Reissue the DFSMS command and do not specify the REBLOCK option.

FSM4020E Error from *system command command*, return code = *return code*

Explanation: An attempt has been made to execute a *system command command*, but an error has occurred. System can be either CP or CMS. *Return code* is the return code from the CP/CMS command.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Consult *z/VM: CP Commands and Utilities Reference* or *z/VM: CMS Commands and Utilities Reference* for information associated with the command and attempt to resolve the condition that has caused the problem. Consult the log file for more information.

Suggested Action: Consult *z/VM: CP Commands and Utilities Reference* or *z/VM: CMS Commands and Utilities Reference* for information associated with the command and attempt to resolve the condition that has caused the problem. Consult the log file for more information, if you have access to it.

FSM4030E Directory maintenance interface timeout

Explanation: A response has not been received from the directory maintenance facility within the time specified by `DIRECTORY_TIMEOUT` in the DFSMS control file.

System action: The DFSMS command fails.

Storage Administrator Response: Increase the `DIRECTORY_TIMEOUT` value in the DFSMS control file. Stop and restart DFSMS for the option to take effect.

Suggested Action: None.

FSM4031E *Exit function, function failed*

Explanation: The installation-wide exit did not complete the requested function successfully.

System action: The DFSMS command fails.

Storage Administrator Response: Further information regarding the error may be found in the log.

Suggested Action: Contact the storage administrator.

FSM4032I *Operation*

Explanation: *Operation*, is the syntax of the operation being performed by the minidisk server.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4033E Minidisk server has insufficient directory maintenance facility authorization

Explanation: The minidisk server has insufficient directory maintenance facility authorization.

System action: Initialization of the minidisk server fails.

Storage Administrator Response: Give the minidisk

server the required directory maintenance facility authorization.

Suggested Action: None.

FSM4034E EXECLOAD of *exec failed*, return code = *return code*

Explanation: An attempt to load the specified installation-wide exit, *exec*, has failed. *Return code* is the return code from the EXECLOAD command.

System action: Initialization of the minidisk server fails.

Storage Administrator Response: Consult *z/VM: CMS Commands and Utilities Reference* for information associated with the command and attempt to resolve the condition that has caused the problem.

Suggested Action: None.

FSM4035W *Exit responded with return code return code*

Explanation: The installation-wide exit responded with a nonzero return code, *return code*.

System action: DFSMS continues processing the command.

Storage Administrator Response: Evaluate the accuracy of the return code.

Suggested Action: Contact the storage administrator.

FSM4036E *Exit caused termination of the DFSMS command*

Explanation: The installation-wide exit gave a return code which resulted in the termination of the DFSMS command.

System action: The DFSMS command fails.

Storage Administrator Response: Further information regarding the error may be found in the log. Evaluate the accuracy of the return code.

Suggested Action: Contact the storage administrator.

FSM4037E Server *server userid* has incorrect CP privilege class

Explanation: The directory entry for the specified server does not contain all of the required CP privilege classes.

System action: Initialization of the server fails.

Storage Administrator Response: Give the server the required CP privilege classes. Refer to *z/VM: DFSMS/VM Customization* for more information.

Suggested Action: None.

FSM4080I Target minidisk on *volume* at *cyl startcyl* for *number cyls*

Explanation: The target minidisk is on *volume* beginning at cylinder *startcyl* and its size is *number* cylinders.

System action: Processing continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM4087I **Output User:** *userid* **Output System:**
System Results Level: Level

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4088I *Number* **minidisks were eligible for processing**

Explanation: The minidisk list contained *number* entries that were eligible for processing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4089I *Number* **minidisks were successfully processed by the *command* command**

Explanation: The specified number of minidisks have processed successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4090I **The following options were specified for the *minidisk*:**

Explanation: This is a header message for the minidisk options section of the report. *Minidisk* indicates to which minidisk the option applies.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4091I **IPLTEXT Present:** *value* **Size Mismatch:** *value* **Reserved Minidisk:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4092I **Empty Minidisk:** *value* **Format Source:** *value* **Existing Links:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4093I **Link Retries:** *value* **Link Interval:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4094I **Group:** *value* **Volume:** *value* **Status:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4095I **Minidisk Type:** *value* **Creation Date:** *value* **Minidisk Size:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4096I **Pace Level:** *value* **Buffer Size:** *value* **Continue On Error:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4097I **Pack Option:** *value* **Reblock Files:** *value* **Reblock Size:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4098I **DevType:** *value* **StartCyl:** *value*

Explanation: This message indicates the options the user has specified.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4099I **DFSMS *command* Request identifier *request id (userid address)* was discarded**

Explanation: This message is included in a report sent to the user. It indicates the request has been discarded while waiting to be processed. A request is discarded either by the DISCARD command or the STOP IMMEDIATE command.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM4100E **DFSMS *command* Request identifier *request id (userid address)* failed**

Explanation: The specified DFSMS command has failed. Further information regarding the error may be found in the log.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM8005W Named construct not found

Explanation: A specified named construct has not been found in the active configuration.

System action: This is a warning condition. See associated log messages for further information.

Storage Administrator Response: See associated log messages for response.

Suggested Action: None.

FSM8006S Attempt to load shared segment *shared segment name* failed, return code = *return code*

Explanation: A SEGMENT LOAD command for the shared segment has failed.

System action: The request that needed access to the shared segment has failed.

Storage Administrator Response: Check that the shared segment has been installed properly. Also check that the storage range occupied by the shared segment is not occupied by something else. See the *Program Directory for function level 221* for instructions on shared segment installation. See *z/VM: CMS Commands and Utilities Reference* for further information on the SEGMENT LOAD command and errors loading the segment.

Suggested Action: None.

FSM8007S Shared segment *segment name* does not exist

Explanation: The shared segment used to store the active configuration does not exist.

System action: No access to the active configuration is possible, and all requests to access or modify the active configuration fail.

Storage Administrator Response: Check that the shared segment has been properly installed. See the *Program Directory for function level 221* for instructions on shared segment installation.

Suggested Action: None.

FSM8008S No access to shared segment DFSMSSEG

Explanation: The shared segment is created with restricted access and this virtual machine has not been granted read/write access to the segment.

System action: No access to the active configuration is possible, and all requests to access or modify the active configuration fail.

Storage Administrator Response: Check that the shared segment is properly installed. Check that the affected virtual machine has a CP directory entry that contains a NAMESAVE control statement granting access to the shared segment. See the *Program Directory for function level 221* for information on which virtual machines require access to the shared segment.

Suggested Action: None.

FSM8021E No configuration currently active

Explanation: The active configuration is null. A valid source configuration has not been activated.

System action: Active configuration data is unavailable for viewing in the ISMF Configuration Services application, and no automatic classification of storage constructs occur for files or directories.

Storage Administrator Response: Activate a valid source configuration if it is desired to apply storage constructs to files and directories.

Suggested Action: Contact the storage administrator.

FSM8027I Attempt made to reference an outdated or corrupted shared segment DFSMSSEG

Explanation: An attempt has been made to access a shared segment that no longer exists, has been replaced, or has been damaged.

System action: The processing for this request is discontinued or retried.

Storage Administrator Response: If the problem persists, stop DFSMS/VM, ensure that all the servers are stopped, and restart DFSMS/VM.

Suggested Action: None.

FSM8031I ACS REXX exit does not exist

Explanation: DFSMS has lost access to one of the following two files:

1. IGDACSMC DFSMS
VMSYS:DFSMS.ACTIVEACSEXITS
2. IGDACSMC DFSMS VMSYS:DFSMS.ACSEXITS

Possible reasons for losing accessibility: the file pool server has stopped unexpectedly, the directory does not exist, or this virtual machine is not authorized to the directory.

System action: The processing for activation, ACS processing, or initialization is not completed.

Storage Administrator Response: Identify and correct the problem.

Suggested Action: None.

FSM8032I ACS module exit does not exist

Explanation: DFSMS has lost access to one of the following two files:

1. IGDACSMC MODULE
VMSYS:DFSMS.ACTIVEACSEXITS
2. IGDACSMC MODULE VMSYS:DFSMS.ACSEXITS

Possible reasons for losing accessibility: the file pool server has stopped unexpectedly, the directory does not exist, or this virtual machine is not authorized to the directory.

System action: The processing for activation, ACS processing, or initialization will not be completed.

Storage Administrator Response: Identify and correct the problem.

Suggested Action: None.

FSM8033S Shared segment DFSMSSEG not initialized

Explanation: The shared segment is not available for DFSMS use.

System action: Initialization has failed.

Storage Administrator Response: Run FSMSEGDF, checking to see that it has completed successfully. See *z/VM: DFSMS/VM Customization* for information on running FSMSEGDF.

Suggested Action: None.

FSM8050E ACS module exit not created with AMODE(31)

Explanation: The module exit must be generated as AMODE(31).

System action: DFSMS does not activate the configuration or the ACS exits.

Storage Administrator Response: Generate the module specifying the AMODE(31) option.

Suggested Action: None.

FSM8055E Source configuration file not found

Explanation: The source configuration specified by the storage administrator is not found on the designated directory, either because it does not exist or because the DFSMS master is not authorized to use it.

System action: The source configuration cannot be activated.

Storage Administrator Response: Ensure that the source configuration resides on the directory specified in the activate and that the DFSMS master is authorized to use that source configuration.

Suggested Action: None.

FSM8056E Source configuration file is in a file pool which cannot be accessed

Explanation: The source configuration specified by the storage administrator cannot be activated because the file pool is not available. This can occur because the DFSMS master machine is not enrolled in the file pool, or because the file pool went down after the ACTIVATE command was issued.

System action: The source configuration cannot be activated.

Storage Administrator Response: Ensure that the DFSMS master is enrolled (as a user or administrator) in the file pool containing the source configuration or that the file pool has public access, and that the file pool is available.

Suggested Action: None.

FSM8057E Invalid version of source configuration

Explanation: The source configuration file specified by the storage administrator cannot be activated because it has been created at a version of DFSMS/VM that does not match the current version of DFSMS/VM.

System action: The ACTIVATE command fails and this configuration is not activated.

Storage Administrator Response: Ensure that the source configuration file has been converted to the current version of DFSMS/VM and reissue the ACTIVATE command. If the problem persists, contact the IBM Support Center for further assistance.

Suggested Action: None.

FSM8061W Active configuration file not found

Explanation: No active configuration file has been found, either because it does not exist or because the DFSMS master is not authorized to use it. If a configuration has never been activated, or the ACTIVE_CONFIG_FILE_ID has been changed in the control file, this situation is normal.

System action: DFSMS/VM initialization proceeds, but there is no active configuration.

Storage Administrator Response: Ensure that the DFSMS master is an SFS administrator for the VMSYS file pool and activate a valid source configuration.

Suggested Action: None.

FSM8062E Active configuration file not found or not usable

Explanation: The active configuration file has either not been found or it has a problem such as invalid data or an incorrect record format or logical record length.

System action: System activation has failed.

Storage Administrator Response: Ensure that a valid active configuration file exists and that its record length is 4K and its record format is fixed, or that there is no active configuration file.

Suggested Action: None.

FSM8063W Active configuration file is not at the current version of DFSMS/VM

Explanation: The active configuration file has been created and activated at a different version of DFSMS/VM.

System action: DFSMS/VM initialization proceeds, but there is no active configuration.

Storage Administrator Response: Activate a configuration that has been created on the current version of DFSMS/VM, or has been created using the CONVERSION routine supplied to convert configurations from previous versions of the product.

Suggested Action: None.

FSM8070I File *fn ft dirid* activated

Explanation: DFSMS has been called to ACTIVATE a configuration. Activation has been successfully completed.

System action: Processing of this command is complete.

Storage Administrator Response: None.

Suggested Action: None.

FSM8071I ACS module exit activated

FSM8071I ACS REXX exit activated

Explanation: The ACS exit (module or REXX) specified in the message text has been found in the directory VMSYS:DFSMS.ACSEXITS and has been loaded successfully.

System action: Processing continues. The configuration activation must successfully complete for the specified ACS exit to be activated.

Storage Administrator Response: None.

Suggested Action: None.

FSM8072I ACS module exit not activated

FSM8072I ACS REXX exit not activated

Explanation: The ACS exit (module or REXX) specified in the message text has not been found in the directory VMSYS:DFSMS.ACSEXITS. This is a normal condition and does not represent an error unless you intended to activate the ACS exit.

System action: Processing of this command continues.

Storage Administrator Response: None.

Suggested Action: None.

FSM8073E Module exit load failure

FSM8073E REXX exit load failure

Explanation: The ACS exit (module or REXX) specified in the message text cannot be loaded successfully. Possible reasons for the exit load failure could be a problem with the exit or an internal error.

System action: Configuration activation failed due to exit load failure. Processing of this command stops.

Storage Administrator Response: Correct the problem in the exit that failed or remove it from the source directory and activate the configuration again. Check the DFSMS log messages for further information.

Suggested Action: None.

FSM8074E Configuration file not found or you are not authorized

Explanation: You have specified a configuration file name that does not exist, or the configuration file exists but you are not authorized to use it. You may have entered the name of a configuration file that is in a file pool which is unavailable.

System action: Processing of this command stops.

Storage Administrator Response: Specify a configuration file name that exists and for which you have proper authorization, or define a configuration file with the desired name. If you specified a file pool, verify that the file pool is available. It may be helpful to check the DFSMS log messages for further information.

Suggested Action: None.

FSM8075E Unauthorized to open configuration file

Explanation: If the file is in a file control directory, you should have READ/WRITE authority to open the file. If the file is in a dircontrol directory, you should have DIRWRITE authority to open the file.

System action: Processing of this command stops.

Storage Administrator Response: Obtain the proper authorization.

Suggested Action: None.

FSM8076E Not a configuration file

Explanation: The function that you requested is only valid for configuration files.

System action: Processing of this command stops.

Storage Administrator Response: Enter a source configuration file name. It must be 3 to 17 characters including the blank character to separate the file name and file type. Ensure that the source configuration file record length is 4K and its record format is fixed.

Suggested Action: None.

FSM8077E Error occurred opening source configuration file

Explanation: Due to an error, the source configuration file cannot be opened successfully.

System action: Processing of this command stops.

Storage Administrator Response: Correct the problem in the source configuration file and retry the DFSMS ACTIVATE command.

Suggested Action: None.

FSM8078E Error occurred reading source configuration file

Explanation: An error occurred while reading the source configuration file and it cannot be read successfully.

System action: Processing of this command stops.

Storage Administrator Response: Correct the problem in the source configuration file and retry the DFSMS ACTIVATE command.

Suggested Action: None.

FSM8079E Damaged source configuration file

Explanation: The source configuration file contains some invalid records and cannot be used.

System action: Processing of this command stops.

Storage Administrator Response: Enter a source configuration file that is not damaged.

Suggested Action: None.

FSM8080E Source configuration file in use

Explanation: DFSMS/VM has been called to access the file. DFSMS/VM indicates that the file is in use.

System action: Processing of this command stops.

Storage Administrator Response: Try the requested function again later.

Suggested Action: None.

FSM8081E Invalid source configuration file

Explanation: The source configuration file specified on the DFSMS ACTIVATE command is not a valid configuration file. You can only DFSMS ACTIVATE a configuration file that is valid.

System action: Processing of this command stops.

Storage Administrator Response: Make sure the configuration file is valid by using the VALIDATE option through the ISMF Configuration Application and retry the DFSMS ACTIVATE command once the file is valid.

Suggested Action: None.

FSM8082E Unauthorized to DFSMS ACTIVATE a source configuration

Explanation: You have attempted to activate a source configuration, but your user ID is not authorized to perform activations.

System action: Processing of this command stops.

Storage Administrator Response: Obtain the proper authorization and try to activate the configuration again.

Suggested Action: Contact the storage administrator.

FSM8083E DFSMS communication error

Explanation: DFSMS/VM has been invoked to perform configuration activation. It has returned with a communication error.

System action: Processing of this command stops.

Storage Administrator Response: DFSMS/VM may not be operational at this time. Retry this function later. Check the log messages for further information. If the error persists, contact the IBM Support Center for assistance.

Suggested Action: None.

FSM8084E DFSMS master is down

Explanation: DFSMS/VM has been called to perform configuration activation. The DFSMS master machine is unavailable.

System action: Processing of this command stops.

Storage Administrator Response: The DFSMS master machine is unavailable at this time. Retry this function. Check the logs for further information. If the error persists, contact the IBM Support Center for assistance.

Suggested Action: None.

FSM8085E Directory not found

Explanation: A directory required by DFSMS has been erased, or the DFSMS virtual machine issuing this message does not have the authority to create or replace a file in this directory. The processing for this request has failed. Check the DFSMS log messages for further information.

System action: Processing of this command ends.

Storage Administrator Response: Replace the directories that have been erased and ensure that the DFSMS master and server machines are administrators in the VMSYS file pool. The ACS exit directories are

required even if no exits are used.

Suggested Action: None.

FSM8086E File pool not available

Explanation: A file pool required by DFSMS/VM is not operational. This can either be the migration file pool specified in the control file DGTVCNTL DATA, the user's file pool, or the VMSYS file pool. The processing for this request has failed. Check DFSMS log messages for further information.

System action: Processing of this command ends.

Storage Administrator Response: Ensure that the specified file pool is operational.

Suggested Action: None.

FSM8090I Configuration conversion complete

Explanation: The Configuration Conversion Utility has been invoked to create an equivalent FL221 source configuration file using the values from an existing FL220 source configuration file. Configuration conversion has successfully completed.

System action: Processing of this command is complete.

Storage Administrator Response: None.

Suggested Action: None.

FSM8090E Configuration conversion command syntax error

Explanation: The Configuration Conversion Utility has been called with invalid syntax. The correct format for invocation is:

```
FSMCSCFG infn infm infm outfn outft outfm sec_nonu defer
```

Operands:

INFN INFT INFM are required parameters specifying the file name, file type, and file mode of an existing FL220 source configuration to be converted to FL221. INFN and INFT must be 1-8 characters in length, and contain only valid SFS file-naming characters. INFM must be a single alphabetic character representing an accessed SFS directory.

OUTFN OUTFT OUTFM are required parameters specifying the file name, file type, and file mode of a nonexistent SFS file to contain the converted FL221 source configuration. OUTFN and OUTFT must be 1-8 characters in length, and contain only valid SFS file naming characters. OUTFM must be a single alphabetic character representing an SFS directory accessed in READ/WRITE mode.

SEC_NONU is a required parameter specifying a value for the FL221 SECONDARY STORAGE NON-USAGE attribute for all management classes specifying MANAGE processing contained within the configuration. Valid values are 0-9999 or NOLIMIT.

DEFER is an optional parameter which specifies a DEFER value for the FL221 INVOKE ACS FOR FILE

CREATION base configuration attribute. If present, this must be specified by the word DEFER.

System action: Processing of this command stops.

Storage Administrator Response: Invoke FSMCSCFG using valid parameters. Consult the *z/VM: DFSMS/VM Customization* for complete documentation of the Configuration Conversion Utility.

Suggested Action: None.

FSM8090E FL221 configuration file already exists

Explanation: The fully qualified file name you have specified as a target for the converted FL221 source configuration file already exists.

System action: Processing of this command stops.

Storage Administrator Response: Invoke FSMCSCFG specifying the name of a nonexistent SFS file to contain the converted FL221 source configuration.

Suggested Action: None.

FSM8090E FL221 directory not found, insufficient authority, or access error

Explanation: The output file mode you have specified representing the target directory for the converted FL221 source configuration file cannot be found, or you do not have sufficient authority to it, or you do not have it correctly accessed. This error can occur if you have specified a file mode representing a minidisk. You must specify an output file mode which represents an SFS directory accessed in READ/WRITE mode.

System action: Processing of this command stops.

Storage Administrator Response: Invoke FSMCSCFG specifying an output file mode which represents an SFS directory you have accessed in READ/WRITE mode.

Suggested Action: None.

FSM8090E FL220 directory access error

Explanation: The input file mode you have specified representing the directory containing the FL220 source configuration file has not been correctly accessed. This error can occur if you have specified a file mode representing a minidisk. The file must reside in an accessed SFS directory. If the file is in a file control directory, you may access it in R/O mode. If the file is in a directory control directory, you must access it in DIRWRITE mode.

System action: Processing of this command stops.

Storage Administrator Response: Ensure that the input file mode you have specified represents a correctly accessed SFS directory and invoke FSMCSCFG again.

Suggested Action: None.

FSM8090E Invalid version of source configuration

Explanation: The input source configuration you have specified to be converted to DFSMS/VM version FL221 has not been created on DFSMS/VM FL220.

System action: Processing of this command stops.

Storage Administrator Response: Invoke

FSMCSCFG specifying an input source configuration that has been created on DFSMS/VM version FL220.

Suggested Action: None.

FSM8090E Error writing FL221 source configuration

Explanation: The Configuration Conversion Utility has been invoked to perform configuration conversion, however, an error has occurred while writing the FL221 source configuration file. This condition can occur with no storage blocks allocated to your file space, or attempting to exceed the maximum number of 4 KB file space blocks allowed, or exceeding the storage group limit.

System action: Processing of this command stops.

Storage Administrator Response: Correct the storage error and invoke FSMCSCFG again.

Suggested Action: None.

FSM8100E The segment resides outside the range of the virtual machine

Explanation: The DFSMSSEG shared segment is located at an address beyond the size of your virtual machine. In order to initialize the segment, it must be contained within the address range of your virtual machine. Since CMS resides at the upper end of your virtual machine range, the size of the virtual machine should be at least 3MB larger than the starting address of the shared segment.

System action: The shared segment has not been initialized.

Storage Administrator Response: Either increase the size of your virtual machine, or modify the FSMSEGDF EXEC to change the location of the segment.

Suggested Action: None.

FSM8101E Error from CMS command SEGMENT RESERVE, return code = *return code*

Explanation: The SEGMENT RESERVE command failed. The SEGMENT RESERVE command has been issued to reserve the area of virtual storage that is to be occupied by the DFSMSSEG segment.

System action: The process requiring the segment is stopped.

Storage Administrator Response: This problem can happen if CMS has allocated other data to the address range the segment occupies. Check to see what is occupying the storage that the SEGMENT RESERVE command is attempting to reserve.

Suggested Action: None.

FSM8110E Undefined construct *name set*

Explanation: A statement in an ACS routine attempts to set the &MGMTCLAS variable to a management class name not defined in the source configuration.

System action: The source configuration is flagged as invalid for activation.

Storage Administrator Response: Either define the

management class in the source configuration, or remove the reference to the management class from the ACS routine.

Suggested Action: None.

FSM8111W Warning: Undefined construct *name* referenced

Explanation: A statement in an ACS routine compares the &MGMTCLAS variable to a management class name not defined in the source configuration.

System action: The configuration is marked as valid.

Storage Administrator Response: This is only a warning condition; so no action is required. To prevent this condition, either define the referenced management class name, or update the ACS routine to remove the invalid reference.

Suggested Action: None.

FSM8112E Default management class *name* not defined

Explanation: The default management class name, which is part of the base configuration information, is not defined in the management class list in the source configuration.

System action: The source configuration is flagged as invalid for activation.

Storage Administrator Response: Either provide a definition for the management class name or change the default management class in the base to a management class name that is already defined.

Suggested Action: None.

FSM8113E Source configuration contains no base information

Explanation: The source configuration contains no base information. In order to be valid, a source configuration must contain base information.

System action: The source configuration is marked as invalid for activation.

Storage Administrator Response: Enter base information on the correct ISMF panel.

Suggested Action: None.

FSM8114I Information: Source configuration has no ACS object

Explanation: The source configuration is considered valid, even though an ACS routine is not defined as part of the configuration.

System action: The configuration is marked as valid.

Storage Administrator Response: None.

Suggested Action: None.

FSM8120E Unable to load ACS REXX exit during initialization

Explanation: An attempt to load the ACS REXX exit has failed during initialization.

System action: The system fails initialization until the condition is resolved.

Storage Administrator Response: Look for messages that indicate the reason for the failure to load the ACS REXX exit from the active directory, VMSYS:DFSMS.ACTIVEACSEXITS. If the REXX exit is not loadable (for example, because it is an empty file), erase it or replace it with a valid exit. This REXX exit exists in file IGDACSMC DFSMS VMSYS:DFSMS.ACTIVEACSEXITS.

Suggested Action: None.

FSM8121E Unable to load ACS module exit during initialization

Explanation: An attempt to load the ACS module exit has failed during initialization.

System action: The system fails initialization until the condition is resolved.

Storage Administrator Response: Check the log messages that indicate the reason for the failure to load the ACS module exit from the active directory VMSYS:DFSMS.ACTIVEACSEXITS. If the module is not loadable, erase it or replace it with a valid exit. If the module is loadable, make sure the module has been created with AMODE(31). The module exit is located in IGDACSMC MODULE VMSYS:DFSMS.ACTIVEACSEXITS.

Suggested Action: None.

FSM8122E Unable to load ACS REXX exit during activation

Explanation: An attempt to load the ACS REXX exit has failed during activation. The ACS REXX exit in file IGDACSMC DFSMS VMSYS:DFSMS.ACSEXITS cannot be loaded. Check the log file for accompanying messages that indicate the cause of failure.

System action: The system fails activation until the condition is resolved.

Storage Administrator Response: Identify the problem, correct it, and make another attempt to reactivate.

Suggested Action: None.

FSM8123E Unable to load ACS module exit during activation

Explanation: An attempt to load the ACS module exit has failed during activation. The ACS module exit in file IGDACSMC MODULE VMSYS:DFSMS.ACSEXITS cannot be loaded. Check the log file for accompanying messages that indicate the cause of failure.

System action: The system fails activation until the condition is resolved.

Storage Administrator Response: Identify the problem, correct it, and make another attempt to reactivate.

Suggested Action: None.

FSM9900S Internal error occurred, return code =
return code, status = status code

Explanation: An internal DFSMS/VM error has occurred. The nature of the condition is such that DFSMS/VM cannot issue a message, and a hard-coded message is issued directly to the terminal.

System action: Depending on the issuing module, and the condition causing this message, processing may or may not continue.

Storage Administrator Response: Ensure that message repositories are available to the user; if they are available, contact the IBM Support Center and provide the message header and the entire message.

Suggested Action: Contact the storage administrator.

FSM9901S Internal error occurred, return code =
return code, reason code = reason code,
status = status code

Explanation: An internal DFSMS/VM error has occurred. The nature of the condition is such that DFSMS/VM cannot issue a message, and a hard-coded message is issued directly to the terminal.

System action: An attempt is made to reload the repository and to continue with initialization.

Storage Administrator Response: An error has been encountered while executing CMS macro DMSMSG to reference a user repository during DFSMS initialization. Documentation on this macro may be used in an attempt to determine why the repository cannot be read. If a determination cannot be made, contact the IBM Support Center and provide the entire message, including the message header.

Suggested Action: Contact the storage administrator.

FSM9902S Error from CMS command *CMS*
command, return code = return code

Explanation: The failing CMS command and the return code from the command are given. The nature of the condition is such that DFSMS cannot issue a message, and a hard-coded message is issued directly to the terminal.

System action: Depending on the CMS command failing, processing may or may not continue.

Storage Administrator Response: Consult *z/VM: CMS Commands and Utilities Reference* for information associated with the command in an attempt to resolve the condition that has caused the problem. Also, verify that file LOAD MAP is not on a read/write disk and locked EXCLUSIVE. This file is used by CMS when message repositories are loaded. If unsuccessful in resolving the problem, contact the IBM Support Center and provide the message header, the failing *CMS command*, the *return code* and any preceding DMS messages.

Suggested Action: Consult *z/VM: CMS Commands and Utilities Reference* for information associated with the command in an attempt to resolve the condition that has caused the problem. Also, verify that file LOAD MAP is not on a read/write disk and locked

EXCLUSIVE. If this is unsuccessful, contact the storage administrator.

FSM9903S Language forced to *language id*

Explanation: Message repositories in the requested language cannot be loaded. Repositories in *language id* can be loaded however. The nature of the condition is such that DFSMS/VM cannot issue a message, and a hard-coded message is issued directly to the terminal.

System action: Processing continues. Messages are issued in language *language id*.

Storage Administrator Response: Using the previous FSM9902S message determine the reason that the first attempt to load repositories has failed. This message only appears if DFSMS is unable to load repositories in a specified language, and an alternate language is forced.

Suggested Action: Contact the storage administrator.

FSM9904E Insufficient free storage available

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Free storage by releasing minidisks that are not needed, exit from some applications that are inactive, or log on with a greater virtual machine storage size.

FSM9905E Insufficient free storage available,
status = status code

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request. *Status code* is a value used by IBM for problem determination.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: None.

Suggested Action: Free storage by releasing minidisks that are not needed, exit from applications that are inactive, or log on with a greater virtual machine storage size.

FSM9906E Internal error from routine *routine*
number, return code = return code,
status = status code

Explanation: An internal DFSMS error has occurred. *Status code* is a value used by IBM for problem determination.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *status code*.

Suggested Action: Contact the storage administrator.

FSM9907S ABEND code NNNNNNNN in DFSMS at PSW = hhhhhhhh hhhhhhhh

Explanation: A severe error has occurred. The program status word at the time of error is given.

System action: The system will dump virtual storage.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and program status word.

Suggested Action: Contact the storage administrator.

FSM9908S General Purpose Registers at time of ABEND:

Explanation: A severe error has occurred. The general purpose register contents at time of the error are given, in this format:

GPR 0 = hhhhhhhh hhhhhhhh hhhhhhhh hhhhhhhh

GPR 4 = hhhhhhhh hhhhhhhh hhhhhhhh hhhhhhhh

GPR 8 = hhhhhhhh hhhhhhhh hhhhhhhh hhhhhhhh

GPR 12 = hhhhhhhh hhhhhhhh hhhhhhhh hhhhhhhh

System action: None.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and register contents.

Suggested Action: Contact the storage administrator.

FSM9909S VMDUMP of virtual storage suppressed

Explanation: An abend occurred shortly after another abend occurred. Following the first abend, a CP VMDUMP was taken of the virtual machine, but the dump for this abend has been suppressed.

System action: DFSMS/VM reinitializes the virtual machine.

Storage Administrator Response: Contact the IBM Support Center.

Suggested Action: None.

FSM9910S Dump of virtual storage is in progress

Explanation: A severe error has occurred.

System action: The system has begun a virtual storage dump.

Storage Administrator Response: Contact the IBM Support Center.

Suggested Action: Contact the storage administrator.

FSM9911S Dump of virtual storage has completed

Explanation: A severe error has occurred.

System action: The system has completed a virtual storage dump.

Storage Administrator Response: Contact the IBM Support Center and provide the dump of virtual storage.

Suggested Action: Contact the storage administrator.

FSM9912S Dump of virtual storage failed, VMDUMP return code = return code

Explanation: A severe error has occurred.

System action: In the process of taking a virtual storage dump an error occurred. The storage dump is incomplete.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and the *return code*.

Suggested Action: Contact the storage administrator.

FSM9913E Internal errors have caused DFSMS initialization to stop

Explanation: Internal errors have been encountered that prevent DFSMS from initializing. The errors have been logged.

System action: DFSMS stops.

Storage Administrator Response: See the console for error messages and correct the errors.

Suggested Action: None.

FSM9914S Internal error from routine routine number, return code = return code, status = status code

Explanation: An internal DFSMS error has occurred. The nature of the condition is such that DFSMS cannot issue a message, and a hard-coded message is issued directly to the terminal.

System action: Depending on the issuing module, and the condition causing this message, processing may or may not continue.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *status code*.

Suggested Action: Contact the storage administrator.

FSM9915S DFSMS is stopping

Explanation: This message is generated when a condition has occurred that causes DFSMS to stop.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

FSM9916S DFSMS is stopping due to insufficient free storage

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request.

System action: DFSMS will stop and attempt to reinitialize itself.

Storage Administrator Response: None.

Suggested Action: None.

Chapter 4. DFSMS/VM IGD Messages

IGD0502E Insufficient free storage available

Explanation: An attempt has been made to obtain storage, but there is not enough free storage available in the virtual machine to satisfy the request.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Assign a greater virtual machine storage size to the DFSMS machine that is experiencing insufficient storage problems.

Suggested Action: None.

IGD0505E Internal error from routine *routine number*, return code = *return code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, and the *return code*.

Suggested Action: None.

IGD0506E Internal error from routine *routine number*, return code = *return code*, status = *status code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *status code*.

Suggested Action: None.

IGD0507E Internal error from routine *routine number*, return code = *return code*, reason code = *reason code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, and the *reason code*.

Suggested Action: None.

IGD0508E Internal error from routine *routine number*, return code = *return code*, reason code = *reason code*, status = *status code*

Explanation: An internal DFSMS error has occurred.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *routine number*, the *return code*, the *reason code*, and the *status code*.

Suggested Action: None.

IGD0509E Internal error, return code = *return code*

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header and the *return code*.

Suggested Action: Contact the storage administrator.

IGD0510E Internal error, return code = *return code*, reason code = *reason code*

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *return code*, and *reason code*.

Suggested Action: Contact the storage administrator.

IGD0511E Internal error, return code = *return code*, reason code = *reason code*, status = *status*

Explanation: An internal DFSMS error has occurred.

System action: The system makes no further attempt to process the command.

Storage Administrator Response: Contact the IBM Support Center and provide the message header, the *return code*, *reason code*, and the *status*.

Suggested Action: Contact the storage administrator.

IGD0513E Error from CSL routine *CSL routine*, return code = *return code*, reason code = *reason code*

Explanation: The CSL routine was called and has encountered an error.

System action: The system fails the current action that it is attempting. If this action is a critical DFSMS function, DFSMS terminates; however, if this is not a

critical DFSMS function, DFSMS attempts to continue processing other requests.

Storage Administrator Response: Consult *z/VM: CMS Callable Services Reference* for the CSL routine and attempt to resolve the condition that has caused the error.

Suggested Action: None.

IGD1001W ACS processing rejected by the ACS routine, reason = *reason code*

Explanation: The automatic class selection routine has rejected this request. Reason is the ACS exit code.

System action: Automatic class selection is rejected for this file or directory. A new management class is not assigned to this file or directory.

Storage Administrator Response: None. The rejection of automatic class selection was requested by installation-written code.

Suggested Action: None.

IGD1002S Abend occurred in ACS REXX exit at address *address*, abend code = *abend code*

Explanation: An abend has occurred in the installation-written REXX exit or a program invoked by the REXX exit.

System action: A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the ACS REXX routine.

Suggested Action: None.

IGD1006I *Message from the ACS module exit*

Explanation: This is a message from the ACS module exit.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD1009I *Message from the ACS routine*

Explanation: This is a message from the ACS routine.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD1011E ACS processing failed due to invalid management class *management class* assigned by the ACS routine

Explanation: The ACS routine has assigned a management class that is not valid in the active configuration.

System action: Automatic class selection is failed for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the ACS routine or activate a configuration containing the management class.

Suggested Action: None.

IGD1017E ACS processing failed for file *fn ft dirid*

Explanation: An error has occurred that has caused automatic class selection to fail for this file.

System action: A management class is not assigned to this file.

Storage Administrator Response: See associated message for further information on the error condition.

Suggested Action: None.

IGD1018E ACS processing failed for directory *dirid*

Explanation: An error has occurred that has caused automatic class selection to fail for this directory.

System action: A new management class is not assigned to this directory.

Storage Administrator Response: See associated message for further information on the error condition.

Suggested Action: None.

IGD1021E Invocation of the ACS REXX exit produced negative return code = *return code*

Explanation: Invocation of the installation-written REXX exit has returned a negative value. The assumption is made that the system has generated a negative value during invocation of the REXX exit because the REXX exit should not have been written to issue negative return codes.

System action: Automatic class selection is failed for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: Ensure that the REXX routine is returning only nonnegative integers. Check the console for any system messages with explanations for the negative value.

Suggested Action: None.

IGD1022E Invalid parameter list encountered during ACS processing, reason code = *reason code*

Explanation: Automatic class selection has detected an error when the ACS routine was invoked from the installation-written module exit. The *reason code* identifies the error:

Reason Code

Description

- 2012** An invalid value has been found in the ACERODSG (file organization) field of ACERO. This value must be null.
- 2013** An invalid value has been found in the ACERORCG (file record organization) field of ACERO. This value must be null.
- 2014** An invalid value has been found in the ACERODST (file type) field of ACERO. This value must be null.
- 2015** An invalid value has been found in the

- ACEROXMD (execution mode) field of ACERO. This value must be null.
- 2020** An invalid value has been found in the ACERODNT (file name type) field of ACERO. This value must be null.
- 2102** An invalid value has been found in the ACEROSIZ (size) field of ACERO. This value must be zero for ACS processing of a directory.
- 2103** An invalid combination of values has been found in the ACERODIR (directory), ACEROFN (file name), and ACEROFT (file type) fields of ACERO. One of the following conditions has occurred:
- ACERODIR field is null or blank, and at least one of the ACEROFN and ACEROFT fields is null or blank.
 - ACERODIR field is *not* null or blank, and at least one of the ACEROFN and ACEROFT fields is *not* null or blank.
- 2104** An invalid value has been found in the ACEROFPI (file pool ID) field of ACERO. This value must not be null or blank.
- 2106** An invalid value has been found in the ACEROMC (input management class) field of ACERO. The ACEROMCL (input management class length) field must be greater than or equal to 0, and less than or equal to 8.
- 2107** An invalid value has been found in the ACEROMC (input management class) field of ACERO. The ACEROMCV (input management class name) field must not be blank or null when the ACEROMCL (management class length) field is nonzero.
- 2108** An invalid value has been found in the ACEROONR (owner) field of ACERO. This value must not be null or blank.
- 2109** An invalid value has been found in the ACEROPTH (path name) field of ACERO. One of the following conditions has occurred:
- Two directory level separators are adjacent (for example, A..B.C).
 - The path name begins with one or more directory level separators (for example, .A.B.C).
 - The path name ends with one or more directory level separators (for example, A.B.C..).
- Valid values are:
- null or blank
 - userid[.d1[.d2...[.d8]]]
- 2110** An invalid combination of values has been found in the ACEROPTH (path name), ACERODIR (directory), and ACEROONR (owner ID) fields of ACERO. If the ACEROPTH field is null or blank (that is, the top directory is being processed), the value in ACEROONR field must be equal to the value in the ACERODIR field.
- 2111** An invalid combination of values has been found in the ACEROPTH (path name) and the ACEROONR (owner) fields of ACERO. The first directory of the directory path name (that is, the top directory) must be equal to the owner name.
- 2112** An invalid combination of values has been found in the ACEROPTH, (path name) and the ACEROPMC (parent management class) fields of ACERO. The ACEROPMC field must be null when ACEROPTH field is null or blank (that is, when the top directory is processed).
- 2113** An invalid value has been found in the ACEROPTH (path name) field of ACERO. The top directory or a subdirectory of the path name contains more characters than the maximum allowable. The maximum number of characters in the top directory is 8, and in a subdirectory is 16.
- 2114** An invalid value has been found in the ACEROPTH (path name) field of ACERO. The path name contains more than the maximum number of directory levels allowed when a file or a directory is processed. The maximum number of directory levels in the path name is 9 for a file and 8 for a directory.
- 2115** An invalid value has been found in the ACEROPMC (parent management class) field of ACERO. The ACEROPML (parent management class length) field must be greater than or equal to 0, and less than or equal to 8.
- 2116** An invalid value has been found in the ACEROPMC (parent management class) field of ACERO. The ACEROPMV (parent management class name) field must not be blank or null when the ACEROPML (parent management class length) field is nonzero.
- 2117** An invalid value has been found in the ACEROFMT (record format) field of ACERO. This value must be null or blank for ACS processing of a directory.
- 2118** An invalid value has been found in the ACEROFMT (record format) field of ACERO. This value must be **F** or **V** for ACS processing of a file.
- 2120** An invalid value has been found in the ACEROUSR (user ID) field of ACERO. This value must not be null or blank.
- 2150** An invalid value has been found in the

- ACEROJAC (ACCT_JOB) field of ACERO. This value must be null (that is, ACEROJNM must be zero).
- 2151** An invalid value has been found in the ACEROSAC (ACCT_STEP) field of ACERO. This value must be null (that is, ACEROSNM must be zero).
- 2152** An invalid value has been found in the ACEROAPP (application name) field of ACERO. This value must be null or blank.
- 2153** An invalid value has been found in the ACERODD (DD name) field of ACERO. This value must be null or blank.
- 2154** An invalid value has been found in the ACERODDC (data class name associated with the resource owner of the file) field of ACERO. This value must be null (that is, the ACERODDL [data class length] field must be zero).
- 2155** An invalid value has been found in the ACERODMC (management class name associated with the resource owner of the file) field of ACERO. This value must be null (that is, the ACERODML [management class length] field must be zero).
- 2156** An invalid value has been found in the ACERODSC (storage class name associated with the resource owner of the file) field of ACERO. This value must be null (that is, the ACERODSL [storage class length] field must be zero).
- 2157** An invalid value has been found in the ACERODSN (file or collection) field of ACERO. This value must be null or blank.
- 2158** An invalid value has been found in the ACERODSO (file owner) field of ACERO. This value must be null or blank.
- 2159** An invalid value has been found in the ACEROEXP (expiration date) field of ACERO. This value must be null or blank.
- 2160** An invalid value has been found in the ACEROGRP (group ID) field of ACERO. This value must be null or blank.
- 2161** An invalid value has been found in the ACEROJOB (job name) field of ACERO. This value must be null or blank.
- 2162** An invalid value has been found in the ACERODC (data class name - input only value) field of ACERO. This value must be null (that is, the ACERODCL [data class length] field must be zero).
- 2163** An invalid value has been found in the ACEROSC (storage class name - input only

value) field of ACERO. This value must be null (that is, the ACEROSCL [storage class length] field must be zero).

- 2164** An invalid value has been found in the ACEROMSZ (maximum size) field of ACERO. This value must be zero.
- 2165** An invalid value has been found in the ACEROMEM (member name) field of ACERO. This value must be null or blank.
- 2166** An invalid value has been found in the ACEROMVG (MSS volume group name) field of ACERO. This value must be null or blank.
- 2167** An invalid value has been found in the ACERONVL (number of volsers) field of ACERO. This value must be zero.
- 2168** An invalid value has been found in the ACEROPGM (program name) field of ACERO. This value must be null or blank.
- 2169** An invalid value has been found in the ACERORTP (retention period) field of ACERO. This value must be zero.
- 2170** An invalid value has been found in the ACEROUNT (unit name) field of ACERO. This value must be null or blank.

System action: Automatic class selection is failed for this file or directory.
Storage Administrator Response: Check the module routine. See reason code description for further information on the error condition.
Suggested Action: None.

IGD1024I ACS message produced for file *fn ft dirid*

Explanation: A message has been produced during automatic class selection for this file.
System action: None.
Storage Administrator Response: None.
Suggested Action: None.

IGD1025I ACS message produced for directory *dirid*

Explanation: A message has been produced during automatic class selection for this directory.
System action: None.
Storage Administrator Response: None.
Suggested Action: None.

IGD1031W ACS processing rejected by the REXX exit, reason = *reason code*

Explanation: The ACS REXX exit has rejected this request. Reason is return or exit code from the REXX exit. An error running the REXX exit can also cause this.
System action: Automatic class selection is rejected for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: None, if this was requested by installation-written code. If an error occurred running the REXX exit, check the console for any system messages that may explain the reason code. REXX errors can produce 200xx format reason codes; the xx error explanation can be found in the *z/VM: REXX/VM Reference*.

Suggested Action: None.

IGD1035E ACS processing failed due to invalid management class *management class* assigned by REXX exit

Explanation: The installation-written REXX exit has assigned a management class that is not valid in the active configuration.

System action: Automatic class selection is failed for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the REXX exit or activate a configuration containing the management class.

Suggested Action: None.

IGD1036I Message from the ACS REXX exit

Explanation: This is a message from the ACS REXX exit.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD1051I ACS processing rejected by the module exit, reason = *reason code*

Explanation: The ACS module exit rejected this request. Reason is the reason code (register 0) from the module exit.

System action: Automatic class selection is rejected for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: None.

Suggested Action: None.

IGD1055E ACS processing failed due to invalid management class *management class* assigned by module exit

Explanation: The installation-written module exit has assigned a management class that is not valid in the active configuration.

System action: Automatic class selection has failed for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the module exit or activate a configuration containing the management class.

Suggested Action: None.

IGD1060S Abend occurred in ACS module exit

Explanation: An abend has occurred in the installation-written module exit or a program invoked by the module exit.

System action: A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the ACS module exit.

Suggested Action: None.

IGD1065E ACS processing failed due to error in module exit, return code = *return code*, reason code = *reason code*

Explanation: The installation-written module exit has an error. It has returned an invalid return code or a return code indicating an error.

System action: Automatic class selection has failed for this file or directory. A management class is not assigned to this file or directory.

Storage Administrator Response: Modify the module exit. See the *z/VM: DFSMS/VM Storage Administration* for the valid return codes and their meanings.

Suggested Action: None.

IGD1070W ACS module exit deactivated

Explanation: The module exit has been deactivated because of an error or abend in the exit. Any further ACS processing with the current active configuration will not run the module exit.

System action: The exit no longer runs.

Storage Administrator Response: Check the DFSMS log to determine what has occurred to cause deactivation and take appropriate action. An activate is required before the exit can be run again.

Suggested Action: None.

IGD1075E Deactivation of ACS module exit failed

Explanation: Deactivation of the module exit was attempted because of an error abend in the exit. The deactivation has failed and the exit is still active.

System action: The exit continues to run.

Storage Administrator Response: Check the DFSMS log to determine what has occurred to cause the deactivation request and to take appropriate action. An activate with a new exit or no exit causes processing of the old exit to stop.

Suggested Action: None.

IGD1080E ACS processing failed due to invalid management class *management class*. Input management class is invalid and was not changed

Explanation: The input management class has not changed during ACS processing and is not valid in the active configuration.

System action: Automatic class selection has failed for this file or directory. A management class will not be assigned to this file or directory.

Storage Administrator Response: Change the management class for this file or directory. To prevent further problems use the ACS routine or ACS exits to change this management class, or activate a configuration containing this management class.
Suggested Action: None.

IGD3100I

Explanation: (Message number 3100 reserved and not used.)
System action: None.
Storage Administrator Response: None.
Suggested Action: None.

IGD3101I Error in ACS translator, reason code *reason_code*, in module name *module_name* and event name *event_name*

Explanation: An unexpected error has occurred in the ACS translator.
System action: Translation of the ACS routine is ended when this error occurs. If possible, a dump of the ACS translator work areas is taken.
Storage Administrator Response: Save the ACS routine, return codes, reason codes, and the ACS translator work area dump (if any). Contact the IBM Support Center.
Suggested Action: None.

IGD3102I Error reading ACS source file. DMSREAD reason code = *reason_code*

Explanation: An error has occurred reading the ACS routine source file.
System action: Translation of the ACS routine is terminated.
Storage Administrator Response: Refer to *z/VM: CMS Callable Services Reference* for a description of the reason code. Correct the error and translate the ACS routine source file again.
Suggested Action: None.

IGD3111I Invalid reference to read/only variable *variable_name* in storgrp ACS routine.

Explanation: Certain read/only variables are not allowed in a storage group selection routine.
System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Refer to *z/VM: DFSMS/VM Storage Administration* for a list of prohibited read/only variables. Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3112I Right parenthesis was expected but not found

Explanation: A right parenthesis has been expected but not found in an EXIT, IF, SELECT, or WHEN statement; a subscripted variable; a subscripted variable

in a SET statement; or a subscripted variable in a WRITE statement.

System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3113I Literal longer than 255 characters - end quotation mark may be missing

Explanation: The maximum length of a literal is 255 characters.
System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3114I Left parenthesis was expected but not found

Explanation: A left parenthesis has been expected but not found in an EXIT, SELECT, or WHEN statement; or at the start of a FILTLIST INCLUDE or EXCLUDE list.
System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3115I Literal continuation character or single quote expected but not found

Explanation: A literal must be enclosed in single quotation marks.
System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3116I Unexpected statement type *source_text* encountered - subsequent statements may be ignored

Explanation: The translator did not recognize the statement.
System action: The error is noted in the listing, and translation continues.
Storage Administrator Response: Correct the statement containing the error and retranslate.
Suggested Action: None.

IGD3117I Integer or integer type *source_text* is greater than the maximum 2147483647 that is allowed

Explanation: The number is too large. Either the number is more than 10 numeric characters, or it is greater than 2147483647.
System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3118I Missing continuation character or end of literal - blank line found instead

Explanation: Each line for the literal must have a continuation character.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3119I End of procedure before end of literal

Explanation: Each literal must be ended by a single quotation. The ACS translator did not find the closing quotation before the end of the input file.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3120I End of procedure before end of comment

Explanation: Each comment must be ended by a `*/`. The ACS translator has not found the end of the comment before the end of the input file.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3121I Megabyte value *value* is greater than the maximum 2097151 that is allowed

Explanation: Numeric values having an MB suffix cannot be larger than 2097151 MB.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3130I Missing comma or right parenthesis in FILTLIST definition statement

Explanation: Items in FILTLIST INCLUDE or EXCLUDE lists must be separated by commas. The lists must be terminated by a right parenthesis.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3132I Invalid FILTLIST name

Explanation: The first character of a FILTLIST name must be a letter, a national character, a percent sign, an asterisk, or an underscore. The remaining characters can be any of the aforementioned five, a digit, or a period. If the FILTLIST name is preceded by an ampersand, it can contain only letters, digits, national characters, and underscores.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3133I FILTLIST name *filtilist_name* longer than 32 characters

Explanation: The maximum length of a FILTLIST name is 32 characters.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3134I Number of filter literals greater than 255

Explanation: The maximum number of literals allowed in a FILTLIST INCLUDE or EXCLUDE list is 255.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3135I FILTLIST or mask comparison uses invalid relational operator

Explanation: Only the relational operators EQ (=) and NE(≠) are allowed in FILTLIST and mask comparisons.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3136I Duplicate FILTLIST name *filtilist_name* defined

Explanation: The name has already been used as a FILTLIST name.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3137I Invalid syntax for FILTLIST statement - include/exclude not specified

Explanation: A FILTLIST must have either an INCLUDE list, an EXCLUDE list, or both.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3138I Invalid specification for include or exclude list

Explanation: The list must start with a left parenthesis and end with a right parenthesis. List items must be separated by commas.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3139I Invalid subscripted read/only variable

Explanation: The read/only variable cannot be subscripted.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Refer to *z/VM: DFSMS/VM Storage Administration* for a list of read/only variables that can use subscripts. Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3140I Subscript *value* exceeds allowable range of *max_value*

Explanation: Subscript value exceeds maximum allowed.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3141I Invalid subscript

Explanation: An invalid subscript has been detected. It is set to zero so that processing can continue.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3142I Invalid use of special characters in mask *source_text*

Explanation: Two or more adjacent '*' are not allowed in a mask.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the

statement containing the error and retranslate.

Suggested Action: None.

IGD3143I Invalid use of special characters in directory path mask *source_text*

Explanation: In an ACS routine, the mask value uses special characters incorrectly in one of the following ways:

The mask contains three or more asterisks in a row,

A qualifier in the mask uses two asterisks in a row,

The mask contains two or more periods in a row, or

The mask ends in a period.

System action: The error is noted in the listing and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3150I Nesting limit exceeded

Explanation: Too many operands have been encountered in an IF-THEN-ELSE or a SELECT statement. The maximum number of operands allowed is 32.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3151I Relational operator missing or invalid

Explanation: Valid relational operators are LT, LE, EQ, NE, GE and GT.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3152I Invalid comparison between operands

Explanation: Either an invalid comparison between a character and a numeric character has occurred, or an invalid comparison between literals has occurred.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3153I Invalid expression in a IF statement

Explanation: An invalid expression is located in an IF statement.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3154I Invalid expression in a WHEN statement

Explanation: The relational expression in a SELECT statement of the second form is invalid.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3155I FILTLIST *filthead_name* referenced but not defined

Explanation: The referenced FILTLIST name has not been defined.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3156I Excessive use of Boolean operators

Explanation: The code generated for an IF statement resulted in an excessive number of Boolean operators.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Simplify the IF statement and retranslate.

Suggested Action: None.

IGD3157I Invalid operand encountered in a comparison

Explanation: The operand must either begin with an ampersand (for example a FILTLIST name) or be a R/O variable, a R/W variable, a mask, a literal, a number or a subscripted variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3158I Invalid comparison - length of operands conflict

Explanation: The length of the literal in a comparison must, at most, be equal to the length allowed for the variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3160I Missing clause for THEN

Explanation: The THEN clause must be either a FILTLIST, a DO statement, an EXIT statement, an IF statement, a SELECT statement, a SET statement, or a WRITE statement.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3161I Missing THEN keyword on an IF statement

Explanation: An IF statement must have a THEN keyword.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3162I Missing clause for ELSE

Explanation: The ELSE clause must be either a FILTLIST, a DO statement, an EXIT statement, an IF statement, a SELECT statement, a SET statement, or a WRITE statement.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3170I Missing clause for WHEN

Explanation: For a SELECT statement of the first type, the WHEN clause must be a value. For a SELECT statement of the second type, the WHEN clause must be a valid relational expression.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3171I Missing WHEN keyword or left parenthesis for a SELECT statement

Explanation: A SELECT statement must have at least one WHEN statement. The WHEN clause must be enclosed in left and right parentheses.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3172I Missing END keyword for a SELECT statement

Explanation: A SELECT statement must be terminated with an END.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3174I Missing clause for OTHERWISE

Explanation: An OTHERWISE statement on a SELECT must have a clause.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3175I Invalid value specified on SELECT statement

Explanation: The value specified must be either a R/W variable, a subscripted variable, or a R/O variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3180I Missing END keyword for a DO statement

Explanation: A DO statement must be terminated with an END.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3190I Invalid value specified for CODE on the EXIT statement

Explanation: The CODE value must be a number.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3200I Text of WRITE statement greater than 250 characters - end quotation mark may be missing

Explanation: Either the text for a WRITE statement is too long or the ending quotation mark is missing.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3201I Text of WRITE statement missing or invalid

Explanation: The text for a WRITE statement must be a literal, a subscripted variable, a R/O variable, a R/W variable, or a combination of literals and variables.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3202I Invalid use of subscripted read/only variable on WRITE statement

Explanation: The subscript must be a number or another R/O variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3210I PROC statement missing or invalid

Explanation: The keyword PROC is missing or misspelled.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3211I Read/write variable name missing or invalid on PROC statement

Explanation: The PROC statement must have a R/W variable (with or without a leading ampersand).

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3212I Missing END keyword for the ACS routine

Explanation: An ACS routine must terminate with an END.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3213I End of procedure before end of source file

Explanation: The source file contained statements after the terminating END statement for the procedure.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3214I Duplicate PROC statement encountered

Explanation: More than one PROC keyword was encountered.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the

statement containing the error and retranslate.

Suggested Action: None.

IGD3215I PROC statement must be first statement in ACS routine

Explanation: The source file contained statements other than comments before the PROC keyword was encountered.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3220I Invalid syntax for SET statement

Explanation: The R/W variable name must be followed by an “=” or “EQ” operator.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3221I Invalid setting of read/write variable in ACS routine

Explanation: The read/write variable named is not valid for this ACS routine. It must match the read/write variable name used on the PROC statement.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3222I Invalid assignment or missing literal in SET statement

Explanation: The value assigned to the read/write variable in the SET statement must be either a valid read/only variable or a literal.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3223I Invalid list assignment

Explanation: List assignment is allowed only for the STORGRP read/write variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3224I Invalid read/only variable *r/o_var_name* on SET statement

Explanation: The read/only variable specified is not valid for this ACS routine.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3225I List of values assigned to &STORGRP greater than 15

Explanation: No more than 15 values can be assigned to a storage group.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3226I Value specified on SET exceeded allowable length

Explanation: The names for constructs assigned to the read/write variable can be from 1 to 8 characters long.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3227I SET statement not encountered in ACS routine

Explanation: An ACS routine must contain at least one SET statement.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3228I Invalid setting of &STORGRP - cannot be null

Explanation: Null setting for STORGRP read/write variable cannot be used.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the statement containing the error and retranslate.

Suggested Action: None.

IGD3229I Invalid use of subscripted read/only variable assigned on SET statement

Explanation: SET value cannot be a subscripted variable.

System action: The error is noted in the listing, and translation continues.

Storage Administrator Response: Correct the

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statement containing the error and retranslate.

Suggested Action: None.

IGD3900I ACS TRANSLATOR *** TIME** *time*
DATE *date* **PAGE** *page_number* *****

Explanation: This informational message is used as part of the ACS routine listing title.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD3901I SOURCE CONFIGURATION FN FT
DIRID: *source_configuration_file_name*

Explanation: This informational message is used as part of the ACS routine listing title.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD3902I ACS SOURCE FN FT DIRID:
ACS_source_file_name

Explanation: This informational message is used as part of the ACS routine listing title.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD3910I SUMMARY OF ERROR MESSAGES:

Explanation: This informational message is the ACS routine listing heading for the summary of errors detected by the ACS translator.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD3911I TRANSLATION RETURN CODE:
return_code

Explanation: This informational message lists the results of the ACS routine translation in the ACS routine listing.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

IGD3912I SIZE OF OBJECT TABLE: *size(bytes)*

Explanation: This informational message lists the size (in bytes) of the ACS routine object table. This message is produced only if the ACS routine is translated successfully.

System action: None.

Storage Administrator Response: None.

Suggested Action: None.

Chapter 5. DFSMS/VM Return and Reason Codes

This chapter contains:

- ACS routine return codes
- ISMF return and reason codes
- DFSMS command processor return codes
- Library hardware error reason codes
- CP completion status values

For information on IUCV return codes, see *z/VM: CP Programming Services*. For information on RMS return codes see *z/VM: DFSMS/VM Removable Media Services*.

ACS Routine Return Codes

This section contains return codes issued by the automatic class selection routine.

The ACS routine return codes may be issued from the ACS interface routine after an ACS redrive. Table 1 lists standard return codes used by the ACS routine.

Table 1. ACS Routine Return Codes

Return Code	Meaning
0 (X'00')	Successful
8 (X'08')	Invalid parameter list; register 0 contains the reason code.
12 (X'0C')	The main ACS routine set a nonzero exit code via the EXIT ACS statement; register 0 contains the exit code.
16 (X'10')	ACS internal error; register 0 contains the ACS reason code.
20 (X'14')	ACS internal error; register 0 contains the ACS reason code.
24 (X'18')	ACS internal error; register 0 contains the ACS reason code.

For ACS routine reason codes, refer to “message IGD1022E” on page 96.

ISMF Return and Reason Codes

This section documents information that is Diagnosis, Modification or Tuning Information provided by DFSMS/VM and contains return and reason codes issued by ISMF.

ISMF Return Codes

When one DFSMS/VM function calls another, the return code from the called function is placed in Register 15. Table 2 on page 108 lists standard return codes used by ISMF.

Note: Return codes defined in specific message explanations are those returned to ISMF by the functions it has called.

Table 2. ISMF Standard Return Codes

Return Code	Meaning
0 (X'00')	Successful
4 (X'04')	Function performed with minor error
8 (X'08')	Function not performed; no termination
12 (X'0C')	Function not performed; terminating error
16 (X'10')	Function not performed; terminating error
20 (X'14')	Function not performed; terminating error
24 (X'18')	Incorrect syntax; terminating error

ISMF Reason Codes

Code	Description
0005	Unexpected return code (DGTFFOE1) comes from routines called by the file application component.
0006	Errors have occurred during previous processing. Check the previous log entries for detailed error information.
0009	Automatic data area is in use. An ISMF common service routine has been entered and the frozen storage for its automatic data area is already in use.
0010	Selection criteria is invalid and produces an empty list.
0011	Filter criteria is invalid and produces an empty list.
0012	Prolog failure: Storage for the invoking module's automatic data area has not been obtained.
0013	Epilog failure: Automatic data area cannot be freed from the invoking module.
0014	Panel number is invalid. A valid panel number is 1, 2, or 3.
0016	Convert utility: Target data length must be 4 bytes or less to convert a character string to its fixed binary representation.
0017	Invalid character has been found in the data to be converted. Data conversion cannot take place. In some cases, imbedded blanks are invalid.
0018	Desired DAB has not been found in the DAB list.
0019	Data to be converted contains all blanks and cannot be converted.
0044	Convert utility: Source data length for converting record format is invalid. It must be 1 byte.
0045	Convert utility: Target data length must be at least 5 bytes to hold the converted record format.
0046	Convert utility: Record format cannot be determined from the input.
0051	RETRY routine is in control.
0052	No storage has been allocated. Return code = 4.
0058	All storage is not freed. Return code = 4.
0059	Delete request has not been issued. Return code = 4.

- 0061** LOAD macro has failed. Control has been given to the error routine specified in the LOAD macro invocation. Return code = 4.
- 0062** ISPF has failed. The specified panel cannot be found. Return code = 12.
- 0065** ISPF SETMSG has failed. Panel message has not been found or the syntax is invalid. Return code = 12.
- 0066** ISPF SETMSG service has failed. A severe error has occurred in processing ISPF SETMSG service. Return code = 20.
- 0067** ISPF log has failed. Log message is invalid or not found. Return code = 12.
- 0068** ISPF log has failed. A severe error has occurred in ISPF log service. Return code = 20.
- 0071** Unable to build the storage control table (SCT).
- 0074** ISPF SELECT has failed. Truncation error in storing the ZCMD or ZSEL variable. Return code = 16.
- 0075** ISPF SELECT has failed. Severe error. Return code = 20.
- 0076** An invalid return code has been received from ISPF SELECT.
- 0077** Invalid logging type has been passed to the ISMF log utility.
- 0086** Convert utility: Source data length must be 4 bytes to convert a fullword fixed binary number representing bytes into the corresponding kilobyte representation.
- 0087** Convert utility: The source data length must be 3 bytes to convert a fixed binary date into its character string representation.
- 0088** Convert utility: The target data length must be at least 8 bytes to hold a converted date in its character string format, 'YY/MM/DD'.
- 0089** Convert utility: Specified source index is invalid.
- 0090** Convert utility: Specified target index is invalid.
- 0091** Convert utility: Invalid year has been found while performing a date conversion.
- 0092** Convert utility: Invalid month has been found while performing a date conversion.
- 0093** Invalid day has been found while performing a date conversion.
- 0094** Convert utility: Source data length must be 8 bytes when converting a date in the character string format, 'YY/MM/DD', into a fixed packed decimal format, 'YYDDDS', where S is the sign bit.
- 0095** Convert utility: Target data length must be 3 bytes when converting a date in the character string format, 'YY/MM/DD', into a fixed packed decimal format, 'YYDDDS', where S is the sign bit.
- 0096** Convert utility: Source data length can be a maximum of 8 bytes when converting a character string to its fixed binary representation.
- 0097** Convert utility: Source data length must be 3 bytes when converting a date in packed decimal format to its character string representation of 'YY/MM/DD'.
- 0100** Convert utility: Unable to load the conversion translate table (CTTB).
- 0101** Invalid scroll amount, the valid format is: P (page); H (half); D (data); M (maximum); C (current); NNNN (a number from 1 to 9999).

- 0102 Command not found in the application command table.
- 0103 One or more commands not found in the application command table.
- 0105 Application command table pointer = 0.
- 0106 Command table anchor block pointer = 0.
- 0107 Array name pointer = 0.
- 0108 Format name pointer = 0.
- 0109 Command line pointer = 0.
- 0111 Command line length = 0.
- 0112 Command length is invalid.
- 0113 Command specified is in disable status in the application command table.
- 0114 Panel type is invalid. Function only supports a list panel.
- 0115 Command or line operator control blocks chain is not 0 before storage is freed.
- 0116 Application ID is invalid.
- 0117 No application table is being loaded.
- 0119 Termination type is invalid.
- 0120 Command table initialization has failed.
- 0121 Command table entry count = 0.
- 0122 An error has occurred while command processor tried to process the error routine.
- 0123 CTABCLCB is not equal to CPPLCLCB.
- 0124 Nonzero return code has been received from ISPF CONTROL service.
- 0126 Invalid storage size is passed to the get-memory routine.
- 0127 Invalid storage ID is passed to the get-memory routine.
- 0128 Unexpected column name is found in DAB. DABs may be out of order.
- 0129 Invalid cursor control block is chained from the command processor parameter list (CPPL).
- 0130 Invoker's APID does not match current CTABAPID.
- 0131 Invoker's APID has not been found in the CTAB chain.
- 0132 Two CTABs have duplicate APIDs that match the invoker's APID.
- 0138 Invalid system completion code is passed in the retry work area.
- 0139 Incorrect number of parameters has been specified.
- 0140 Member name specified is too long.
- 0141 TBSAVE: Table is not open. Return code = 12.
- 0142 TBSAVE: Table output library is not open. Return code = 16.
- 0143 TBSAVE: Severe error. Return code = 20.
- 0144 TBSAVE: Unexpected return code.
- 0150 TBERASE: Table does not exist in output library. ISPF return code = 8.

- 0151 TBERASE: Table in use, ENQUEUE has failed. ISPF return code = 12.
- 0152 TBERASE: Table output library not allocated. ISPF return code = 16.
- 0153 TBERASE: Unspecified severe error. ISPF return code = 20.
- 0154 TBERASE: Unexpected return code. ISPF return code is not 0, 8, 12, 16, or 20.
- 0160 ISMF commands: Required parameter is missing.
- 0161 ISMF commands: Required parameter is too long.
- 0162 ISMF commands: Required parameter has invalid characters.
- 0163 ISMF commands: Too many parameters.
- 0174 Master/Server: Server is unavailable.
- 0180 File type of DGTTABL or DGTTLIB should be MACLIB.
- 0188 Convert utility: The target data length must be at least 10 bytes to hold a converted date in its character string format 'YYYY/MM/DD'.
- 0189 Convert utility: An invalid century and year in the format 'YYYY' is found when performing a date conversion.
- 0191 Convert utility: An invalid century is found when performing a date conversion.
- 0197 Convert utility: The source data length must be 4 bytes when converting a date in packed decimal format to its character string representation of 'YYYY/MM/DD'.
- 0200 Line operator anchor block pointer = 0.
- 0201 The list command and line operator conflict.
- 0202 Line operator has not been found in the application line operator table.
- 0203 Entry in the line operator field is greater than 10 characters.
- 0205 Program has failed because of a failure in the invoked external routine. Refer to the failed external routine field.
- 0206 Application line operator table pointer = 0.
- 0207 Line operator processor work area pointer = 0.
- 0208 Invalid return code from ISPF/PDF BROWSE service.
- 0209 Duplicate table entry has been found while loading the table entries. Only one of the duplicates is loaded.
- 0212 Line operator length is invalid.
- 0213 Line operator field length = 0.
- 0214 DGTFLPP3 rewrites the saved ERTB entry so that the error message can be displayed on screen.
- 0215 TOTLINES field is zero.
- 0216 Line operator does not have 'H' in column one but is asking DGTFLPP2 to check if it is a hide line operator.
- 0217 LPP2ALL and LPP2HI flags are off. No checking or verification is done by this program.

- 0218 Return code from DGTEFOFI is zero, but no value has been returned to the entry number field. An invalid combination of return code and value has been returned.
- 0219 Caller's ID is invalid. Valid IDs are 'CT', 'LP'.
- 0220 Invalid value in LOOPCNT.
- 0225 Invalid return code from ISPF/PDF EDIT service.
- 0226 ISPF CONTROL service has failed.
- 0227 Invalid value has been specified.
- 0230 No invocation is set for the hide line operator. LPPLHIDE is off.
- 0231 Hide amount is not numeric.
- 0232 LAI address (LPPLLAIA) is 0.
- 0233 Line operator does not have 'H' at column one and is not a hide line operator.
- 0234 No entry in the list area image to be processed. LPPLLAIT is less than 1.
- 0235 Hide range exceeds allowable maximum of 99999.
- 0236 LPPLENT is less than 1.
- 0237 Hide amount overlaps another pending line operator.
- 0238 HIDEAMT = 0.
- 0239 HIDEAMT is not in the allowable range of 1 to 99999.
- 0240 LPPLENT is greater than LPPLLAIT.
- 0242 LPPLROWA = 0.
- 0245 LPCB address = 0.
- 0246 Invalid value returned from format service. Valid values are 'Y' or 'N'. NAME of the format service can be found in the ISPF log.
- 0250 Invalid FIND parameter: ISMF user has not entered a column tag.
- 0251 Invalid command parameter: Only one parameter is accepted for this command.
- 0255 Value of the scroll variable is invalid.
- 0256 Area name from LPCB is invalid.
- 0260 FSSTATE: Invalid character in file ID. Return code = 20.
- 0261 FSSTATE: Invalid file mode. Return code = 24.
- 0262 FSSTATE: File not found. Return code = 28.
- 0263 FSSTATE: Disk not accessed. Return code = 36.
- 0264 FSSTATE: Error code other than 20, 24, 28, or 36 has been received.
- 0265 FSREAD: File not found. Return code = 1.
- 0266 FSREAD: Invalid buffer address. Return code = 2.
- 0267 FSREAD: Permanent I/O error. Return code = 3.
- 0268 FSREAD: Number of records to be read is less than or equal to zero (or greater than 32,768 for an 800-byte formatted disk). Return code = 5.

- 0269** FSREAD: Invalid file format (only checked when the file is first opened for reading). Return code = 7.
- 0270** FSREAD: Incorrect length. Buffer size is too small for item read. Return code = 8.
- 0271** FSREAD: File open for output (for an 800-byte formatted disk). Return code = 9.
- 0272** FSREAD: Number of records is greater than 1 for variable-length file. Return code = 11.
- 0273** FSREAD: End of file, or record number is greater than the number of records in the file. Return code = 12.
- 0274** FSREAD: Variable-length file has invalid displacement in active file table. Return code = 13.
- 0275** FSREAD: Invalid character in file name. Return code = 14.
- 0276** FSREAD: Invalid character in file type. Return code = 15.
- 0277** FSREAD: An I/O error occurred on an FBA device. This is indicated by a nonzero condition code from a Diagnose X'20'. Error detected in module DMSDIO. Return code = 19.
- 0278** FSREAD: Insufficient free storage available for file management control areas. Return code = 25.
- 0279** FSREAD: Requested item number plus number of items exceeds file system capacity. Return code = 26.
- 0280** FSREAD: Error code other than 1, 2, 3, 5, 7, 8, 9, 11, 12, 13, 14, 15, 19, 25, or 26 has been received.
- 0281** FSCLOSE: File is not open or no read or write has been issued. Return code = 6.
- 0282** FSCLOSE: Error code other than 6 has been received.
- 0301** Format service anchor block (FSAB) does not exist. Pointer to FSAB in the global data repository block (GDRB) is 0.
- 0302** Format anchor block (FAB) is not found. No match of format name and array name exists in a FAB.
- 0303** Control block structure with the same format and array name already exists.
- 0304** Variables of list area (VLA) are invalid. VLA may be incomplete.
- 0305** Input parameter number of entries (ENTNUM) is invalid. Value is greater than the total number of entries in the LAI or is a negative number.
- 0306** Input parameter multiline (MULLINE) is invalid. Value of MULLINE is 2, but this is a single line entry.
- 0307** Input parameter number of entries in the input array (INPENT) is invalid. Number of entries specified in INPENT is not equal to the number of entries actually in the LAI.
- 0308** Data column descriptor (DCD) for corresponding data attribute block (DAB) does not exist.
- 0309** Input parameter area is invalid. Area name is not one of the following: input, object, data, or command.
- 0310** Input parameter offset is invalid. Offset is out of range.

- 0311** Data attribute block pointer (DABLPTR) does not point to a valid DABL.
- 0312** FDBLEFT or FDBRITE in the format data block (FDB) is invalid. Value is less than 0 or greater than the number of displayable data columns.
- 0316** ISPF/PDF BROWSE has failed. Zero length data. Return code = 12.
- 0317** ISPF/PDF BROWSE has failed. Return code = 14.
- 0318** Input parameter column name list (COLLIST) is invalid. At least one of the column names in the COLLIST has not been found.
- 0319** Column tag specified by the user is invalid.
- 0320** Column tag specified is not displayed.
- 0321** Entry identified by the ROWID is not displayed.
- 0322** ISPF/PDF BROWSE has failed. Return code = 16.
- 0323** Cursor is not placed in a field of the LIST panel.
- 0324** Cursor is placed in one of the fields: fixed area (entry statement, data column statement) or warning.
- 0326** Cursor is placed in a field of the LIST panel, but it is not one of the following: command line, entry statement, data column statement, warning, column headings, tags, or LAI.
- 0327** ISPF/PDF BROWSE has failed. Severe error, unable to continue. Return code = 20.
- 0328** ISPF/PDF EDIT has failed. Return code = 16.
- 0329** Value of FDBVSIZE (the vertical size of the list area of the current display with factor of split screen considered) in module DGTFFOF1 is invalid.
- 0331** Value of MAXL (length of variables NAME1 and NAME2) in module DGTFFOF1 is invalid.
- 0332** Incorrect number in the entry statement of the fixed area.
- 0334** Left parenthesis is missing in the tag text.
- 0335** Length of the output variable is not equal to the length of the data to be retrieved.
- 0336** Value of COLSIZE in module DGTFFOY1 is invalid.
- 0337** Length of the static load module text is invalid.
- 0338** Input parameter area option (AREAOP) is invalid.
- 0339** One of the control block lengths in the static load module is incorrect.
- 0340** Invalid return code.
- 0341** Input parameter ADDRFB is invalid.
- 0342** Input parameter CRPLAI or CRPVAL is invalid.
- 0343** FSAB exists without any FAB. Format services have not been cleaned.
- 0344** Character scroll amount in DGTFFOM1 is invalid. Amount is neither PAGE nor MAX.
- 0345** ISPF/PDF EDIT has failed. Severe error, unable to continue. Return code = 20.
- 0347** Object name (second column of list) is blank.

- 0349** Invalid column heading length. The column heading length obtained from the message library is less than that stored in the static text, or greater than the length of the data area in the list panel.
- 0400** Sort parameter is invalid.
- 0401** Filter syntax is invalid. Only one set of filter criteria may be specified.
- 0404** No changes have been detected in the filter criteria. List is already filtered according to the specified filter criteria. No new filter has taken place.
- 0405** Filter flags are not properly initialized. One of the following flags must be on: ADDFLAG, DELFLAG, or MODFLAG.
- 0406** Invalid filter type has been specified by the user, and detected by the filter module. Valid filter types are: FT01–FT15.
- 0408** The user has specified an invalid relational operator. Valid relational operators are: EQ, NE, GT, GE, LT, and LE.
- 0410** Panel name from the ERTB is invalid.
- 0411** Column name specified in the DAB is not recognized.
- 0412** Invalid relational operator. Valid relational operators for the specified column are EQ and NE.
- 0413** Invalid relational operator. The only valid relational operator for the specified column is EQ.
- 0420** Invalid input parameter tags for module DGTF5004.
- 0454** Invalid operator has been entered by the user, but is not detected by the panel check routine.
- 0455** Screen logical number obtained from the profile pool is either invalid (<0) or not in the defined range (1 to 8).
- 0456** Requested column cannot be found in the file application static module.
- 0457** Invalid scroll amount has been entered by the user.
- 0470** Conflict between CPPLMAD and DGTEWORD. CPPLMAD indicates that there is a parameter, but the length of the parameter returned by DGTEWORD is not greater than zero.
- 0471** Invalid pointer (GDRBIACB) to the first ISMF application control block (IACB).
- 0472** An error exists in the chaining of IACBs.
- 0473** A conflict exists in the IACB pointers.
- 0474** The pointer (GDRBIACB) to the first IACB is 0.
- 0527** Call to DELETE has been unsuccessful.
- 0528** Array does not exist.
- 0529** Invalid sort order: It must be A or D.
- 0530** SELBFLG1 is not specified or is incorrectly specified. One bit must be on.
- 0531** Caller's DAB does not match with any VDEFINE DABs.
- 0532** Scan for the nth row has been unsuccessful. The last row found is returned.
- 0533** Improper search direction. Direction default is to next.
- 0534** DABL contains no DABs. Array cannot be created.

- 0535** Get storage for ARVT/RWCB control block has failed.
- 0536** SRVTARB1 or SRVTARN1, or both, in SRVT control block are not initialized.
- 0537** Extension DAB name is not returned in the extension variable list by ISPF.
- 0538** DABCLEN is invalid.
- 0539** Array already exists.
- 0541** Condition value for an extension DAB is invalid.
- 0542** Return code is invalid.
- 0581** Convert utility: Address of the control data attribute block is 0.
- 0600** NUCXLOAD unsuccessful. Requested module cannot be loaded.
- 0601** No matching SCT entry has been found.
- 0604** Unable to build load list block (LLBL) entry.
- 0605** No matching LLBL entry has been found.
- 0607** Delete common service: Use count for the common service routine is already zero.
- 0608** Convert utility: Truncated data. Target area specified is not large enough to contain the converted data. Data has been truncated.
- 0610** Convert utility: Length of the source data must be from 1 to 4 bytes to convert fixed binary numbers.
- 0611** Convert utility: Invalid source data length. Length of the data to be converted must be less than 0.
- 0612** Convert utility: Target data length is invalid. Length of the target data must be less than 0.
- 0613** Convert utility: Source data address = 0. Address of the data to be converted is 0.
- 0614** Convert utility: Target address = 0. Address specified for the target address is 0.
- 0616** Starting address is larger than ending address. Input parameters supplied to the word parsing routine (DGTEWORD) are invalid.
- 0617** Log: Message not found. Return code = 12.
- 0618** Log: Severe error. Return code = 20.
- 0619** Log: Invalid return code.
- 0620** Request has been made to log status information, but no additional message IDs are specified. At least one message ID must be specified.
- 0621** Convert utility: Invalid conversion code.
- 0622** Convert utility: Invalid justification code.
- 0624** Invalid return code from ISPF VDELETE.
- 0625** Invalid return code from ISPF VPUT.
- 0626** Invalid return code from ISPF VGET.
- 0627** Invalid return code from ISPF VDEFINE.
- 0628** Invalid return code from ISPF SETMSG.

- 0629** Invalid return code from ISPF GETMSG.
- 0630** Invalid return code from ISPF DISPLAY.
- 0631** ISPF DISPLAY: Terminated by END or RETURN. Return code = 8. User requested termination via END or RETURN command.
- 0632** ISPF DISPLAY: Specified panel, message, or cursor field is not found. Return code = 12.
- 0633** ISPF DISPLAY: Truncation or translation error in storing defined variables. Return code = 16.
- 0634** ISPF DISPLAY: Severe error. Return code = 20.
- 0635** ISPF GETMSG: Specified message has not been found. Return code = 12.
- 0636** ISPF GETMSG: Severe error. Return code = 20.
- 0637** ISPF SETMSG: Specified message has not been found. Return code = 12.
- 0638** ISPF SETMSG: Severe error. Return code = 20.
- 0639** ISPF VDEFINE: Variable is not found. Return code = 8.
- 0640** ISPF VDEFINE: Data truncation has occurred. Return code = 16.
- 0641** ISPF VDEFINE: Severe error. Return code = 20.
- 0642** ISPF VGET: Variable is not found. Return code = 8.
- 0643** ISPF VGET: Truncation or translation error has occurred during data movement. Return code = 16.
- 0644** ISPF VGET: Severe error. Return code = 20.
- 0645** ISPF VPUT: Variable is not found. Return code = 8.
- 0646** ISPF VPUT: Truncation has occurred while copying variables to the application profile pool. Return code = 16.
- 0647** ISPF VPUT: Severe error. Return code = 20.
- 0648** ISPF VDELETE: At least one variable has not been found. Return code = 8.
- 0649** ISPF VDELETE: Severe error. Return code = 20.
- 0650** ISPF TBDELETE: For nonkeyed tables, the table is empty. The ISPF current row pointer remains at the top. For keyed tables, the row specified by the key variables does not exist. The ISPF current row pointer is set to top. ISPF return code = 8.
- 0651** ISPF TBDELETE: Table is not open.
- 0652** ISPF TBDELETE: Severe error.
- 0653** ISPF TBDELETE: Invalid return code.
- 0654** ISPF TBEND: Table is not open.
- 0655** ISPF TBEND: Severe error.
- 0656** ISPF TBEND: Invalid return code.
- 0657** ISPF TBTOP: Table is not open.
- 0658** ISPF TBTOP: Severe error.
- 0659** ISPF TBTOP: Invalid return code.
- 0660** ISPF TBVCLEAR: Table is not open.

- 0661** ISPF TBVCLEAR: Severe error.
- 0662** ISPF TBVCLEAR: Invalid return code.
- 0663** ISPF TBADD: A row with the same key already exists. The ISPF current row pointer is set to the top (zero). ISPF return code = 8.
- 0664** ISPF TBADD: Table is not open.
- 0665** ISPF TBADD: Numeric convert error.
- 0666** ISPF TBADD: Severe error.
- 0667** ISPF TBADD: Invalid return code.
- 0668** ISPF TBPUR: For nonkeyed tables, the ISPF current row pointer is at the top and remains at the top. For keyed tables, the key does not match that of the current row. The ISPF current row pointer is set to top. ISPF return code = 8.
- 0669** ISPF TBPUR: Table is not open.
- 0670** ISPF TBPUR: Numeric convert error.
- 0671** ISPF TBPUR: Severe error.
- 0672** ISPF TBPUR: Invalid return code.
- 0673** ISPF TBGET: For nonkeyed tables, the ISPF current row pointer is at the top and remains at the top. For keyed tables, the row specified by the value in the key variables does not exist. The ISPF current row pointer is set to top.
- 0674** ISPF TBGET: Table is not open.
- 0675** ISPF TBGET: Insufficient space to return all extension variables names.
- 0676** ISPF TBGET: Severe error.
- 0677** ISPF TBGET: Invalid return code.
- 0678** ISPF TBCREATE: Table already exists.
- 0679** ISPF TBCREATE: Table in use, enqueue has failed.
- 0680** ISPF VCOPY: Variable not found. Return code = 8.
- 0681** ISPF TBCREATE: Severe error.
- 0682** ISPF TBCREATE: Invalid return code.
- 0683** ISPF TBSORT: Table is not open.
- 0684** ISPF TBSORT: Numeric convert error.
- 0685** ISPF TBSORT: Severe error.
- 0686** ISPF TBSORT: Invalid return code.
- 0687** ISPF TBBOTTOM: Table is empty.
- 0688** ISPF TBBOTTOM: Table is not open.
- 0689** ISPF TBBOTTOM: Insufficient space provided to return all extension variables.
- 0690** ISPF TBBOTTOM: Severe error.
- 0691** ISPF TBBOTTOM: Invalid return code.

- 0692** ISPF TBSARG: All column variables are null and the name-list parameter has not been specified.
- 0693** ISPF TBSARG: Table is not open.
- 0694** ISPF TBSARG: Severe error.
- 0695** ISPF TBSARG: Invalid return code.
- 0696** ISPF TBSKIP: TBSKIP has failed because the current row pointer (CRP) cannot go beyond the number of rows in the table.
- 0697** ISPF TBSKIP: Table is not open.
- 0698** ISPF TBSKIP: Insufficient space provided to return all extension variables.
- 0699** ISPF TBSKIP: Severe error.
- 0700** ISPF TBSKIP: Return code is invalid.
- 0701** ISPF TBSCAN: Row does not exist. No match is found.
- 0702** ISPF TBSCAN: Table is not open.
- 0703** ISPF TBSCAN: Insufficient space provided to return all extension variables.
- 0704** ISPF TBSCAN: Severe error.
- 0705** ISPF TBSCAN: Return code is invalid.
- 0706** ISPF TBADD: GETMAIN error. Return code = 20.
- 0707** Caller is not authorized to invoke this module.
- 0708** ISPF VCOPY: Truncation has occurred. Return code = 16.
- 0709** ISPF VCOPY: Severe error. Return code = 20.
- 0726** ISPF TBQUERY: Table is not open. Return code = 12.
- 0727** ISPF TBQUERY: Insufficient space provided. Return code = 16.
- 0728** ISPF TBQUERY: Severe error. Return code = 20.
- 0729** ISPF TBQUERY: Unexpected return code.
- 0730** ISPF VCOPY: Invalid return code.
- 1000** Invalid return code. An invalid (unexpected) return code has been received from the called function. The possible reasons are:
 - logic error in called function
 - mismatch between calling and called function (for example, called function may have added a new return code which the caller is not aware of).
- 1002** Invalid visual ID. The visual ID of the control block is invalid. The possible reasons are:
 - the pointer to the control block contains an invalid address
 - the visual ID of the control block is incorrectly initialized.
- 1026** VOLSER verification: An invalid character has been found.
- 1027** VOLSER verification: Too many asterisks have been found. Only one asterisk may be specified in a partial specification.
- 1058** Print has failed.
- 1075** VOLSER verification: VOLSER is blank.
- 1076** VOLSER verification: VOLSER is single asterisk.

- 1077 No column name match has been found in static column load module. See feedback in the ERTB problem description area for column name requested and static column load module name.
- 1079 Unexpected panel number has been encountered. See feedback in the ERTB problem description area field for the unexpected panel number.
- 1093 Unexpected GETMAIN request flag has been received. See feedback in the ERTB problem description area for the unexpected request flag value.
- 1104 ISPF TBOPEN: Table does not exist.
- 1105 ISPF TBOPEN: Enqueue has failed; table in use.
- 1106 ISPF TBOPEN: Table input library is not allocated.
- 1107 ISPF TBOPEN: Severe error.
- 1108 ISPF TBOPEN: Invalid return code.
- 1109 ISPF TBCLOSE: Table is not open. Return code = 12.
- 1110 ISPF TBCLOSE: Table output library is not open. Return code = 16.
- 1111 ISPF TBCLOSE: Severe error. Return code = 20.
- 1112 ISPF TBCLOSE: Unexpected return code.
- 1113 Last use mode is undefined for hide.
- 1115 Nonzero return code from DGTCDT01.
- 1230 Invalid criteria name specified in IACL. See feedback for the invalid name.
- 1231 Device type verification: Invalid character is found.
- 1232 Device type verification: Device type is blank.
- 1233 Device type verification: More than one asterisk has been specified in a partial specification.
- 1234 Device type verification: Partial specification has not been requested, but an asterisk is found in the input device name.
- 1235 Device type verification: Partial specification has been requested, but no asterisk is specified.
- 1236 Device type verification: Device type is a single asterisk.
- 1237 Device type verification: Device type is not a supported generic name.
- 1250 Save command error: Invalid list name. List name cannot begin with 'ISR', 'ISP', or 'DGT' and it cannot have single or double quotes.
- 1254 ALTER error: Nonzero return code from ALTER. See feedback in the ERTB problem description area for return code and reason code.
- 1270 Repeat line operator is used without the previous line operator.
- 1271 Error has occurred during processing of user line operator or command.
- 1272 ISPF VREPLACE: Truncation occurred during data movement.
- 1273 ISPF VREPLACE: Severe error.
- 1274 ISPF VREPLACE: Invalid return code.
- 1275 Error has occurred during creation of user command anchor block.
- 1276 Invalid application ID for this service.

- 1277** User command has failed.
- 1278** Error has occurred during processing of a list.
- 1279** Error has occurred during initialization of user command.
- 1280** Invalid return code for user command initialization.
- 1281** User command control variable cannot be retrieved from a shared variable pool.
- 1283** Invalid area has been specified. Valid values are ALL, DATA, or BOTH.
- 1284** Invalid value has been specified for FROM. Valid values are LAI or SLAI.
- 1290** The CRP cannot position to top of array.
- 1315** Cannot process command against an empty list.
- 1316** DGTEGMEM (get storage): Invalid return code.
- 1317** DGTEFMEM (free storage): Invalid return code.
- 1318** DGTESERV (service acquisition): Invalid return code.
- 1319** DGTEARPS (array positioning): Invalid return code.
- 1320** DGTEARUP (array update): Invalid return code.
- 1321** Unexpected return code from internal routines. See previous ERTB entries for details.
- 1330** DGTEFOGV (get data from VLA): Get VLA minidisk name field error. Name field is null or tagged as in error or undefined.
- 1331** DGTEFOGV (get data from VLA): Get VLA minidisk address field error. Address field is null or tagged as in error or undefined.
- 1332** DGTEFOGV (get data from VLA): Get VLA minidisk size field error. Size field is null or tagged as in error or undefined.
- 1333** DGTESERV (Service Acquisition): Return code = 0, but no request ID has been delivered in the MDML as expected.
- 1334** Operation has been previously requested.
- 1335** Operation associated with specified request ID has already started.
- 1336** Operation associated with specified request ID has already completed.
- 1337** Specified request ID cannot be found.
- 1338** Operation associated with specified request cannot complete because of a system failure.
- 1339** An unexpected error has been detected by the master/server machine.
- 1340** An unexpected error has been detected by the master machine.
- 1555** Storage not freed by application has been freed by main dialog. This is an informational message.
- 2032** Cannot attempt connect_path. Declare_buffer has previously failed. Cannot try connect.
- 2033** Invalid SAPL entry pointer.
- 2034** No communication block is specified. Function handler cannot find CPCB address.

- 2035 A conversion error occurred acquiring data. Service acquisition has received a bad return from the conversion utility.
- 2036 Invalid entry count in SAPL. Service acquisition list has invalid entry count.
- 2037 Invalid SARB type. Service acquisition received invalid request block type.
- 2042 Sever path request has been processed. CPCB has been removed from storage.
- 2043 Service acquisition request ID mismatch. The ID of the response sent to the master does not match what is returned by the master machine.
- 2044 Service acquisition timeout occurred. No response has been received from the master machine within preset amount of time.
- 2045 FSSTATE failed, DGTVCNTL DATA VMSYS:DFSMS.CONTROL file not found. Default master user ID is used.
- 2046 I/O error (open or read) for DGTVCNTL DATA VMSYS:DFSMS.CONTROL. Use of default master user ID is attempted.
- 2047 FCBNUM does not equal the actual number of FCB entries. The list of saved lists may be incomplete.
- 2050 I/O error on the configuration file.
- 2051 The directory for a library has not been found, therefore the library's entries cannot be acquired and the list of saved lists may be incomplete.
- 2052 Error in the parameter list passed to DGTFJL33. A library name has not been specified or is invalid. The library's entries cannot be acquired and the list of saved lists may be incomplete.
- 2053 Error occurred while attempting to get an additional GLTN block to add to the GLTN chain. Some of the library's entries cannot be acquired and the list of saved lists may be incomplete.
- 2054 Error occurred during SVC 202 for 'RDBUF' command. Some or all entries of a library may not have been acquired and the list of saved lists may be incomplete.
- 2055 DGTFJL33 (get data for GTLN): An attempt has been made to read above the top of the storage.
- 2056 A library is neither a 'LIB' file nor a BSEP maclib. Some or all of the library's entries may not have been acquired and the list of saved lists may be incomplete.
- 2057 DGTFJL31 (list application prefix): Invalid return code from the get data for GTLN module (DGTFJL33).
- 2058 TBOPEN failed for a table. The list of saved lists may be incomplete.
- 2060 DGTEARST (row count): Invalid return code.
- 2061 DGTEARFN (find row): Invalid return code.
- 2062 Displayable row count does not match number of rows retrieved from array.
- 2063 FOLOAD: Cannot update screen from array.
- 2064 No displayable entries in list.
- 2065 No valid request IDs in list.
- 2066 No request ID for this item.

- 2067** User is not authorized to perform function.
- 2068** User is not authorized to perform this function for another user.
- 3000** ESTAE macro invocation has failed with return code = 4.
- 3001** ESTAE macro invocation has failed with return code = 8.
- 3002** ESTAE macro invocation has failed with return code = 12.
- 3003** ESTAE macro invocation has failed with return code = 16.
- 3004** ESTAE macro invocation has failed with return code = 20.
- 3005** ESTAE macro invocation has failed with return code = 24.
- 3006** ESTAE macro invocation has failed with an unknown return code.
- 3007** ISPLINK (CONTROL) service has failed with return code = 20.
- 3008** An ABEND has occurred. The retry routine has completed.
- 3009** ISPLINK (DISPLAY) has issued return code = 0; return code = 8 was expected.
- 3010** ISPLINK (DISPLAY) has issued return code = 12; return code = 8 was expected.
- 3011** ISPLINK (DISPLAY) issued return code = 16; return code = 8 was expected.
- 3012** ISPLINK (DISPLAY) issued return code = 20; return code = 8 was expected.
- 3019** FREEMAIN has issued return code = 12; page table is paged out.
- 3023** DGTCLGCS has failed with return code = 12.
- 3025** One or more calls to ISPLINK (VDEFINE) have failed.
- 3026** One or more calls to ISPLINK (VDELETE) have failed.
- 3032** Termination has not completed.
- 3033** Initialization has failed.
- 3034** An unexpected return code has been received and is logged by the called module.
- 3035** ESTAE is not successful, but processing has continued.
- 3036** VDEFINE has failed.
- 3038** Load command processor modules have failed.
- 3040** ISMF command table processor initialization has failed.
- 3041** VPUT has failed.
- 3042** VDELETE has failed.
- 3044** Unable to release command processor control blocks.
- 3045** ESTAE termination has abended.
- 3049** Application selection has failed.
- 3051** Prolog failure in DGTFCTSE.
- 3052** Load ISMF command table has failed.
- 3057** Invalid option has not been detected by DGTFASV.

- 3068 VGET has failed.
- 3071 Unable to process command.
- 3072 Invalid command has not been detected by DGTFACTCK.
- 3074 Command processor, DGTFACTPR, has failed.
- 3076 Control service has failed with a nonzero return code.
- 3080 Empty file. PDF BROWSE issued return code = 12.
- 3081 Specified member has not been found; PDF BROWSE issued return code = 14.
- 3082 No members in library. PDF BROWSE issued return code = 16.
- 3083 Severe error has been encountered. PDF BROWSE issued return code = 20.
- 3084 Invalid return code from PDF BROWSE.
- 3085 Nonzero return code from ISPF control function.
- 3103 File not found.
- 3110 DGTCLD01 has issued return code = 12.
- 3111 DGTCLD01 has issued an unknown return code.
- 3114 DGTCDT01 has issued return code = 12.
- 3115 DGTCDT01 has issued an unknown return code.
- 3117 Error has occurred in DFSMS/VM configuration services.
- 3119 Configuration file release has failed.
- 3127 Invalid option has not been detected by DGTFFLSV.
- 3130 Edit has failed.
- 3131 Translate has failed.
- 3135 ISPLINK (DISPLAY) has issued an unknown return code; return code = 8 was expected.
- 3136 ISPLINK (CONTROL) failed with an unknown return code.
- 3138 Translator prepare input has failed.
- 3140 Translator has failed.
- 3143 Unable to allocate.
- 3148 Browse has failed.
- 3154 Count parameter out of range.
- 3172 Construct saved with a return code of 0.
- 3183 Invalid option not detected by panel verification.
- 3218 Unable to convert to displayable form.
- 3234 File not found.
- 3235 Caller is not authorized to access the file.
- 3236 Read access requested and file is empty.
- 3237 Element not found.

- 3239** ACS routine not translated because of user errors. The listing contains error messages.
- 3245** Invalid units of allocation.
- 3246** Function name not found in function table.
- 3252** Release command processor modules have failed.
- 3254** Prolog failure.
- 3255** No IACB to release.
- 3256** Nonzero return code from DGTCLD01.
- 3257** DFSMS/VM indicates that a resource is not available.
- 3258** DGTEGMEM has issued a nonzero return code.
- 3259** An error has occurred in the ACS translator.
- 3260** An error has occurred in the ACS executor.
- 3261** The file has been previously updated.
- 3262** DGTEFMEM has issued a nonzero return code.
- 3263** DGTELDMD (LOAD) error.
- 3264** DGTEDTMD (DELETE) error.
- 3265** Element already exists.
- 3266** DGTEFMEM error and DGTEDTMD error.
- 3267** Invalid value of APPFMODE from the ISMF profile variable table variables (DGTMPVTV).
- 3268** Configuration file is not formatted.
- 3269** Invalid access mode parameter for CSI.
- 3270** Invalid function code parameter for CSI.
- 3271** A configuration file is accessed with the access token.
- 3272** No configuration file is accessed with the access token.
- 3273** ABEND logging has failed with an unexpected return code.
- 3274** The file is not a source configuration file.
- 3275** Invalid element type.
- 3276** Blank construct name.
- 3277** Retrieve information from VLA has failed.
- 3278** The file is not a configuration file.
- 3279** Cannot delete the configuration file base.
- 3280** List services is unable to find a match on the DAB column name.
- 3281** List services is unable to add a row of data to the array.
- 3282** List services is unable to release the ISMF reserved storage.
- 3283** Array services modules cannot be loaded.
- 3284** Format services modules cannot be loaded.
- 3285** Duplicate APID is found.

- 3286 DGTEGMEM (GET STORAGE) error.
- 3287 DGTEFMEM (FREE STORAGE) error.
- 3288 Initialize format services has failed.
- 3289 Move display window has failed.
- 3290 Initialize line operator executor has failed.
- 3291 Unable to release line operator executor control block.
- 3292 Creation of the list area image (LAI) has failed.
- 3293 A status check of the array has failed.
- 3294 A sort of the array has failed.
- 3295 Obtaining of the cursor position has failed.
- 3296 Positioning of the cursor has failed.
- 3297 Updating of the fixed area has failed.
- 3298 Highlighting of the error entry has failed.
- 3299 Display of a panel has failed.
- 3300 Unable to process input.
- 3301 The line operator and list command conflict.
- 3302 DGTFCFAC (CSI access configuration file) issued return code = 12.
- 3303 DGTCCFGT (CSI GET ELEMENT) issued return code = 12.
- 3305 Invalid SG type detected by convert.
- 3306 No matching elements have been found.
- 3307 Names are too long, elements are deleted.
- 3308 Common filter service error.
- 3309 List tailoring, DGTFCFLI, has failed.
- 3310 Validation indicates errors.
- 3311 Not authorized to activate.
- 3312 SSI has not scheduled an activation.
- 3313 File is in use.
- 3315 List services anchor block does not exist.
- 3316 DFSMS/VM is not operational.
- 3317 Screen logical number is not within the bounds of the array.
- 3318 DFSMS/VM is not active; there is no active configuration.
- 3319 Translation of column tags into column names has failed.
- 3320 Maximum number of valid commands allowed on panel (20) has been exceeded.
- 3321 Invalid value encountered when converting data from displayable format to internal format.
- 3322 Either the GDRBLSAB or GDRBLSVT is invalid, or both are invalid.
- 3328 Read of test directory has failed.

- 3329 Unrecognizable string in test file.
- 3336 Listing writer: Invalid file type.
- 3342 Listing writer: Invalid pointer to data.
- 3343 Listing writer: Invalid title has been specified.
- 3344 Listing writer: Load of DGTFIORT has failed.
- 3350 Write of test file has failed.
- 3351 Unknown ACS routine type.
- 3352 Listing writer: Invalid function has been specified.
- 3354 LRECL for listing file is invalid.
- 3360 Listing writer has failed.
- 3361 Cannot change active configuration.
- 3362 Caller is not authorized to invoke this function.
- 3364 ACS test library cannot have a LRECL of less than 60.
- 3365 Not authorized to open the listing file for output.
- 3366 Unable to process the line operator.
- 3368 Out of space for the file.
- 3501 The specified file or directory does not exist or you are not authorized for it.
- 3502 File mode is not an accessed SFS directory.
- 3503 File mode is an accessed minidisk.
- 3505 The specified directory is not found or the user is not authorized to access the directory.
- 3506 Listing file cannot be found; therefore, it is not deleted.
- 3507 The record format of the listing file is invalid.
- 3508 Configuration file has been damaged and cannot be used.
- 3509 The record length of the ACS source file is invalid.
- 3510 The record length of the ACS test file is invalid.
- 3511 No ACS module exit routine has been found.
- 3512 ACS module exit routine cannot be loaded.
- 3513 No ACS REXX exit routine found.
- 3514 ACS REXX exit routine cannot be loaded.
- 3515 Source configuration file not found. Activation is not scheduled.
- 3516 Source configuration file is invalid. Activation is not scheduled.
- 3517 DFSMS/VM communication error.
- 3518 Error occurred while opening the translator listing file.
- 3519 Error occurred while closing the translator listing file.
- 3520 Test Activate has returned an unexpected combination of return code and module or REXX exit status.
- 3522 Unidentified errors found with ACS module exit routine.

- 3525 Unidentified errors found with ACS REXX exit routine.
- 3527 Communication with the DFSMS master cannot be established.
- 3528 User not authorized to issue the command.
- 3529 DFSMS master is not accepting the command.
- 3530 Resubmit the status command to the DFSMS master.
- 3531 Request identifier not found for the command.
- 3532 Request identifier has already been discarded.
- 3533 No request identifiers queued for query.
- 3534 DFSMS/VM internal error.
- 3535 The command information passed to the DFSMS master is invalid. Processing of the status command failed.
- 3536 The operation code passed to the DFSMS master is invalid. Processing of the status command has failed.
- 3537 Master machine is not available.
- 3538 At least one validation message is missing.
- 3539 An error occurred while opening the source configuration file.
- 3540 An error occurred in reading the source configuration file.
- 3541 An error occurred in writing the source configuration file.
- 3542 An unexpected reason code returned from DFSMS/VM.
- 3544 All selected data has been returned by DMSGETDI.
- 3545 The DFSMS master machine has passed back an invalid control block (bad eye catcher or bad version or zero length).
- 3546 The entry is not a directory.
- 3547 A query function is currently active. QUERY command cannot be issued again.
- 3548 XEDIT failed with a nonzero return code.
- 3549 Neither PDF BROWSE nor CUF BROWSE is available.
- 3550 CUF BROWSE failed with a nonzero return code.
- 3551 PDF option is not valid when PDF is not available.
- 3552 DFSMS/VM master is not authorized to access the file pool where the source configuration file resides.
- 3553 Source configuration file at version of DFSMS/VM.
- 3554 Insufficient space in secondary storage.
- 3555 Insufficient space in primary storage.
- 3556 Secondary storage value out of range.
- 3557 No value found for secondary storage.
- 3558 The operation attempted is valid only for BASE and ALIAS files. The operation failed because the file list entry is not a BASE or ALIAS file.

- 3559** The operation attempted is valid only for BASE and ALIAS files or directories. The operation failed because the file list entry is not a BASE or ALIAS file or a directory.

DFSMS/VM Return Codes

This section contains return codes issued by DFSMS commands, as well as Library Hardware Error Reason Codes and CP completion codes, which may appear in DFSMS/VM messages.

DFSMS Command Return Codes

The following table lists DFSMS command return codes and their meanings and can be used to interpret messages issued by the DFSMS commands.

DFSMS Command Processor Return Codes

Table 3. DFSMS Command Processor Return Codes

Return Code	Meaning
0	Successful processing.
4	SKIP option has been ignored during DFSMS COPY. A problem has been detected with the minidisk during DFSMS CHECK.
24	Syntax error occurred.
28	File or directory not found or already exists, or insufficient authority.
32	File not in expected format, or file does not contain the expected information, or an attempt was made to execute a LOADMOD command while in CMS subset mode.
36	File mode not accessed. Problem with source or target minidisk during DFSMS COPY.
40	No default file pool assigned.
41	Insufficient storage.
55	Communications error.
70	File sharing conflict. This includes locking conflicts and failures caused by uncommitted changes.
74	Requested function not available for minidisks.
76	Authorization error.
88	Block size invalid for device during DFSMS COPY.
99	Required system resource not available (the CSL library is not installed, or server is not available).
100	I/O error has occurred during DFSMS COPY. Device error has occurred during DFSMS CHECK.
104	Functional error for which the system is responsible. Insufficient storage for DFSMS COPY or DFSMS CHECK.
200	Allocation error has occurred for DFSMS CHECK.
201	Allocation error has occurred for DFSMS CHECK.
256	Unexpected error for which the system is responsible. The output minidisk not large enough for DFSMS COPY.
300	Internal logic error has occurred during DFSMS COPY.
301	Internal logic error has occurred during DFSMS COPY.
302	Internal logic error has occurred during DFSMS COPY.
303	Internal logic error has occurred during DFSMS COPY.
304	Internal logic error has occurred during DFSMS COPY.

Library Hardware Error Reason Codes

Table 4 lists library hardware error reason codes, along with a cross reference to the ERA (error recovery action) codes and suggested references for more information.

Table 4. Library Hardware Error Reason Codes

Reason Code	ERA Code	Meaning	Suggested Reference
3324	75	Library volume inaccessible	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3324	91	Library volume inaccessible	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3332	66	Volume not in inventory - The requested volume is not in the specified library's inventory	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3336	64	Library volume in use	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3344	67	Library category empty	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3348	6B	Library volume misplaced - The specified volume is not in the library where expected	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3352	7D	Library volume exported	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3364	68	Mount is in progress or volume is mounted	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3368	68	Mount is already pending	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3372	68	Demount was already pending	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3376	68	No volume is mounted	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3500	60	Library attachment check	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3504	62	Library manager offline	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3508	63	Control Unit and Library Manager incompatible	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3512	6F	Library vision failure	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3516	72	Library not capable	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3600	3B	Manual rewind/unload	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3600	3C	Manual rewind/unload	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>

Table 4. Library Hardware Error Reason Codes (continued)

Reason Code	ERA Code	Meaning	Suggested Reference
3604	42	Degraded mode	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3608	46	Drive not online	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3612	49	Bus-out parity check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3616	55	Channel interface permanent error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3620	56	Channel protocol error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3628	21	Data streaming error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3632	22	Path equipment check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3636	23	Read data check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3640	24	Load display check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3644	25	Write data check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3648	26	Read opposite	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3652	28	Write ID mark check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3656	2A	Unsolicited environment data	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3660	2B	Environmental data present	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3664	2C	Permanent equipment check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3668	2D	Data security erase failure	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>

Table 4. Library Hardware Error Reason Codes (continued)

Reason Code	ERA Code	Meaning	Suggested Reference
3672	2E	Not capable	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3676	30	Write protected	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>
3680	31	Tape void	Call the Library Administrator
3684	32	Tension loss	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3688	33	Load failure	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3692	34	Unload failure	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3692	6D	Unload failure	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3696	35	Drive equipment check	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3700	36	End of data	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3704	37	Tape length error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3708	39	Backward at beginning of tape	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3712	3A	Drive switched not ready	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3716	40	Overrun	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3720	41	Record sequence error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3724	43	Drive not ready	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3732	44	Locate block unsuccessful	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3736	45	Drive assigned elsewhere	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>

Table 4. Library Hardware Error Reason Codes (continued)

Reason Code	ERA Code	Meaning	Suggested Reference
3740	00	Unsolicited sense	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3744	4A	Control unit ERP failed	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3748	4B	CU and drive incompatible	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3752	4E	Maximum block size exceeded	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3756	50	Read buffered log overflow	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3760	51	Read buffered log end of volume	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3764	5A	Tape length incompatible	Select a different tape drive with a compatible device type, or contact the Library Administrator
3768	5B	Format 3480XF incompatible	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3772	5C	Format 34802XF incompatible	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3776	5D	Tape length violation	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3780	38	Physical end of volume	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3780	3B	Physical end of volume	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3784	4C	Recovered check one failure	Run EREP. See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3788	53	Global command intercept	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3792	5E	Compaction algorithm error	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3796	47	Volume fenced	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>

Table 4. Library Hardware Error Reason Codes (continued)

Reason Code	ERA Code	Meaning	Suggested Reference
3800	27	Command reject	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3804	29	Function incompatible	See <i>IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide</i>
3808	65	Library volume reserved	See <i>IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide</i>

CP Completion Status

Table 5 lists the CP completion status values provided to aid in interpreting the master virtual machine messages, which display completion status.

Table 5. CP Completion Status

IUCV Error Conditions	Meaning
X'800000'	Reply too long
X'400000'	Send protection exception
X'200000'	Send address exception
X'100000'	Answer protection exception
X'080000'	Answer address exception
X'040000'	Message rejected
X'020000'	Parmldata reply sent
X'010000'	reserved
X'008000'	Receive protection except
X'004000'	Receive address exception
X'002000'	Reply protection exception
X'001000'	Reply address exception
X'000800'	Path was severed
X'000400'	Buffer list error
X'000200'	reserved
X'000100'	reserved

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Glossary

For a list of z/VM terms and their definitions, see *z/VM: Glossary*.

The z/VM glossary is also available through the online z/VM HELP Facility. For example, to display the definition of the term “dedicated device”, issue the following HELP command:

```
help glossary dedicated device
```

While you are in the glossary help file, you can do additional searches:

- To display the definition of a new term, type a new HELP command on the command line:

```
help glossary newterm
```

This command opens a new help file inside the previous help file. You can repeat this process many times. The status area in the lower right corner of the screen shows how many help files you have open. To close the current file, press the Quit key (PF3/F3). To exit from the HELP Facility, press the Return key (PF4/F4).

- To search for a word, phrase, or character string, type it on the command line and press the Clocate key (PF5/F5). To find other occurrences, press the key multiple times.

The Clocate function searches from the current location to the end of the file. It does not wrap. To search the whole file, press the Top key (PF2/F2) to go to the top of the file before using Clocate.

Bibliography

See the following publications for additional information about z/VM. For abstracts of the z/VM publications, see *z/VM: General Information*.

Where to Get z/VM Information

z/VM product information is available from the following sources:

- z/VM Information Center at publib.boulder.ibm.com/infocenter/zvm/v6r1/index.jsp
- z/VM Internet Library at www.ibm.com/eserver/zseries/zvm/library/
- IBM Publications Center at www.elink.ibmink.ibm.com/publications/servlet/pbi.wss
- *IBM Online Library: z/VM Collection on DVD*, SK5T-7054

z/VM Base Library

Overview

- *z/VM: General Information*, GC24-6193
- *z/VM: Glossary*, GC24-6195
- *z/VM: License Information*, GC24-6200

Installation, Migration, and Service

- *z/VM: Guide for Automated Installation and Service*, GC24-6197
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- *CMS/TSO Pipelines: Author's Edition*, SL26-0018

Application Programming

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- *z/VM: Dump Viewing Facility*, GC24-6191
- *z/VM: Other Components Messages and Codes*, GC24-6207
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- *z/VM: TCP/IP Messages and Codes*, GC24-6237
- *z/VM: VM Dump Tool*, GC24-6242
- *z/OS and z/VM: Hardware Configuration Definition Messages*, SC33-7986

z/VM Facilities and Features

Data Facility Storage Management Subsystem for VM

- *z/VM: DFSMS/VM Customization*, SC24-6181
- *z/VM: DFSMS/VM Diagnosis Guide*, GC24-6182
- *z/VM: DFSMS/VM Messages and Codes*, GC24-6183
- *z/VM: DFSMS/VM Planning Guide*, SC24-6184
- *z/VM: DFSMS/VM Removable Media Services*, SC24-6185
- *z/VM: DFSMS/VM Storage Administration*, SC24-6186

Directory Maintenance Facility for z/VM

- *z/VM: Directory Maintenance Facility Commands Reference*, SC24-6188
- *z/VM: Directory Maintenance Facility Messages*, GC24-6189
- *z/VM: Directory Maintenance Facility Tailoring and Administration Guide*, SC24-6190

Open Systems Adapter/Support Facility

- *System z10, System z9 and eServer zSeries: Open Systems Adapter-Express Customer's Guide and Reference*, SA22-7935
- *System z9 and eServer zSeries 890 and 990: Open Systems Adapter-Express Integrated Console Controller User's Guide*, SA22-7990

- *System z: Open Systems Adapter-Express Integrated Console Controller 3215 Support*, SA23-2247

Performance Toolkit for VM™

- *z/VM: Performance Toolkit Guide*, SC24-6209
- *z/VM: Performance Toolkit Reference*, SC24-6210

RACF® Security Server for z/VM

- *z/VM: RACF Security Server Auditor's Guide*, SC24-6212
- *z/VM: RACF Security Server Command Language Reference*, SC24-6213
- *z/VM: RACF Security Server Diagnosis Guide*, GC24-6214
- *z/VM: RACF Security Server General User's Guide*, SC24-6215
- *z/VM: RACF Security Server Macros and Interfaces*, SC24-6216
- *z/VM: RACF Security Server Messages and Codes*, GC24-6217
- *z/VM: RACF Security Server Security Administrator's Guide*, SC24-6218
- *z/VM: RACF Security Server System Programmer's Guide*, SC24-6219
- *z/VM: Security Server RACROUTE Macro Reference*, SC24-6231

Remote Spooling Communications Subsystem Networking for z/VM

- *z/VM: RSCS Networking Diagnosis*, GC24-6223
- *z/VM: RSCS Networking Exit Customization*, SC24-6224
- *z/VM: RSCS Networking Messages and Codes*, GC24-6225
- *z/VM: RSCS Networking Operation and Use*, SC24-6226

- *z/VM: RSCS Networking Planning and Configuration*, SC24-6227
- *Network Job Entry: Formats and Protocols*, SA22-7539

Prerequisite Products

Device Support Facilities

- *Device Support Facilities: User's Guide and Reference*, GC35-0033

Environmental Record Editing and Printing Program

- *Environmental Record Editing and Printing Program (EREP): Reference*, GC35-0152
- *Environmental Record Editing and Printing Program (EREP): User's Guide*, GC35-0151

Additional Publications

This section lists other publications that you may find helpful.

IBM SAA® AD/Cycle® C/370™ V1.2 Programming Guide for LE/370 V1.3, SC09-1840

ISPF for VM Dialog Management Guide, SC34-4009

IBM Enhanced 3490E Model F Tape Subsystem Installation, Planning, and Operator's Guide, GG32-0378

IBM TotalStorage® Enterprise Automated Tape Library (3494) Introduction and Planning Guide, GA32-0448

IBM TotalStorage Enterprise Automated Tape Library (3494) Operator's Guide, GA32-0449

IBM Magstar® Virtual Tape Server: Implementation Guide, SG24-2229

IBM Magstar 3494 Tape Libraries: A Practical Guide, SG24-4632

Lights Out! Advanced Tape Automation Using VM/ESA, GG24-4347

IBM Compiler and Library for SAA REXX/370 User's Guide and Reference, SH19-8160



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