

File No. S370-40  
Order No. GC20-1808-7

**Systems**

## **IBM Virtual Machine Facility/370: System Messages**

Release 3 PLC 8

This publication lists all the messages that may be encountered when using IBM Virtual Machine Facility/370 (VM/370). Conditions that generate messages are explained, the resulting system action is described, and appropriate responses for terminal users, system programmers, or operators are suggested.

Messages produced by associated language processors are contained in the appropriate Systems Reference Library publications.

The IBM logo, consisting of the letters "IBM" in a bold, sans-serif font with a double outline.

Eighth Edition (October 1976)

This is a major revision of GC20-1808-6 and makes that edition, together with Technical Newsletter GN20-2686, dated June 18, 1976, obsolete. This edition together with Technical Newsletter GN20-2690, dated October 15, 1976, corresponds to Release 3 PLC 8 (Program Level Change) of the IBM Virtual Machine Facility/370 and to all subsequent releases until otherwise indicated in new editions or Technical Newsletters.

Changes are periodically made to the specifications herein; before using this publication in connection with the operation of IBM systems, consult the latest IBM System/370 Bibliography, Order No. GC20-0001, for the editions that are applicable and current.

Technical changes and additions to text and illustrations are indicated by a vertical bar to the left of the change.

Requests for copies of IBM publications should be made to your IBM representative or to the IBM branch office serving your locality.

A form for readers' comments is provided at the back of this publication. If the form has been removed, comments may be addressed to IBM Corporation, VM/370 Publications, Dept. D58, BLDG. 706-2, P. O. Box 390, Poughkeepsie, New York 12602. Comments become the property of IBM.

## PREFACE

This publication, a reference guide for operators, users, and programmers, contains the messages and responses produced by the IBM Virtual Machine Facility/370 (VM/370) except for IPCS (Interactive Problem Control System) messages. IPCS messages are described in the Virtual Machine Facility/370 Interactive Problem Control System (IPCS) User's Guide, Order No. GC20-1823.

This publication has three main parts: Introduction, Messages, and Appendixes.

The "Introduction" describes:

- The format of messages generated by VM/370.
- Syntax conventions used in this publication.
- Return codes.
- CP problem determination procedures.
- CP wait state codes.
- Loader wait state codes.
- RSCS wait state codes.
- CP ABEND codes.
- CMS ABEND codes.

The messages are divided into the following sections:

- Control Program (CP) Messages
- Conversational Monitor System (CMS) Messages
- Remote Spooling Communications Subsystem (RSCS) Messages
- IBCDASDI Virtual Disk Initialization Program Messages
- CPEREP Messages

The messages are organized in numerical order within each section. Included with each message are: an explanation of the condition that caused the message to be issued; the action taken by the system in response to the condition (when applicable); and the action that should be taken by the system programmer, system operator, or user in response to the condition.

"Appendix A. Command-to-Message Cross-Reference" contains an alphabetic list of all VM/370 commands, and the messages associated with each command.

"Appendix B. Message Summary Alphamerically by Message Identifier" lists the CP, CMS, and RSCS messages in alphanumerical order by message identifier.

"Appendix C. Message-to-Module Cross-Reference" lists the message identifiers by message number, so that a user can look up a message number and find all the modules that issue that message.

"Appendix D. Message Text-to-Message Identifier Cross-Reference" contains the messages organized alphabetically by text, with

their associated identifiers to the left. Users who run their virtual machines without having set EMSG on should find this appendix useful when they want to find out the identifier of a message they have received.

"Appendix E. VM/370 Restrictions" lists certain conditions that must be avoided if VM/370 is to execute properly.

"Appendix F. User Documentation Page" consists of a blank page for your convenience in documenting messages generated by Program Products.

In this publication, the term "3330 series" is used in reference to the IBM 3330 Disk Storage Facility, Models 1, 2, and 11; the IBM 3333 Disk Storage and Control, Models 1 and 11; and the IBM 3350 Direct Access Storage, operating in 3330/3333 Model 1 or 3330/3333 Model 11 compatibility mode.

The term "2305 series" is used in reference to the IBM 2305 Disk Storage, Models 1 and 2.

The term "3340 series" is used in reference to the IBM 3340 Disk Storage, Models A2, B1, and B2, and the 3344 Direct Access Storage Model B2.

The term "3350 series" is used in reference to the IBM 3350 Direct Access Storage Models A2 and B2, in native mode.

The terms "3705" or "370X" include the IBM 3704, 3705-I, and 3705-II Communications Controllers, unless otherwise specified.

Unless otherwise stated, references to the System/370 Models 138 and 148 also apply to Models 135-3 and 145-3, respectively, and are for planning purposes only until hardware availability.

Any reference to the IBM 2741 Communication Terminal also applies to the IBM 3767 Communication Terminal, unless otherwise specified.

### PREREQUISITE PUBLICATIONS

#### IBM Virtual Machine Facility/370:

CMS Command and Macro Reference, Order No. GC20-1818

CP Command Reference for General Users, Order No. GC20-1820

Operator's Guide, Order No. GC20-1806

Remote Spooling Communications Subsystem (RSCS) User's Guide, Order No. GC20-1816

COREQUISITE PUBLICATIONS

IBM Virtual Machine Facility/370:

Planning and System Generation Guide, Order No. GC20-1801

System Programmer's Guide, Order No. GC20-1807

Also corequisite are programmer's guides to the various language processors. For anyone who uses the CMS ESERV command under CMS/DOS, the

Guide to the DOS/VS Assembler, Order No. GC33-4024, is a corequisite because it contains all the ESERV error messages.

The VM/370: Interactive Problem Control System (IPCS) User's Guide, Order No. GC20-1823, is a corequisite for anyone who uses the VM/370 Interactive Problem Control System (IPCS) because that book contains all the IPCS messages.

The Access Method Services (IDC-prefix) messages, the Access Method Services return and reason codes, and the VSAM error codes are contained in the DOS/VS Messages, Order No. GC33-5379.

Error messages issued by the OS/VS and DOS/VS Analysis Program-1 (AP-1) are described in the OS/VS and DOS/VS Analysis Program-1 (AP-1) User's Guide, Order No. GC26-3855.

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VM/370 MESSAGE FORMAT

VM/370 generates messages from the Control Program (CP), the Conversational Monitor System (CMS), the Remote Spooling Communications Subsystem (RSCS), and the Interactive Problem Control System (IPCS).

Messages consist of a message identifier and message text. The identifier (for example, DMKCQG020E) uniquely identifies the message. The text is a short phrase or sentence describing a condition that has occurred or requesting a response from the user.

The message identifier consists of four fields: a component code, a module code, a message number, and a type code. The format of the message identifier is:

xxxxxxxxnn

where:

- xxx is the component code, which can be DMK, DMS, DMT, or DMM. The component code indicates which VM/370 component (CP, CMS, RSCS, or IPCS) generated the message. Messages prefixed by DMK are generated by CP; messages prefixed by DMS are generated by CMS; messages prefixed by DMT are generated by RSCS; and messages prefixed by DMM are generated by IPCS.
- mmm is the module code, three letters that indicate which module generated the message. This field is usually an abbreviation of the name of the module in which the error occurred.
- nnn is the message number, three digits that are associated with the condition that caused the message to be generated.
- s is the type code, a letter that indicates what kind of condition caused the message. The definition of the type codes depends on the nature of the routine producing the message, as shown in Figure 1.

Routine	Code	Meaning
CP Commands	I	Information
	W	Warning or System Wait
	E	Error
CMS Commands	R	Response
	I	Information
	W	Warning
	E	Error
	S	Severe error
RSCS Commands	T	Terminal (unrecoverable) error
	R	Response
	I	Information
	E	Error
Service Routines	S	Severe error
	T	Terminal (unrecoverable) error
	A	Immediate physical action
	D	Immediate decision
	E	Eventual action
	I	Information
	W	System wait

Figure 1. Types and Meanings of Severity Codes

All normal, unnumbered responses indicating the successful completion of a command (such as a ready message, R;) are included in the VM/370: CMS Command and Macro Reference and the VM/370: CP Command Reference for General Users.

All IPCS messages are contained in the VM/370: Interactive Problem Control System (IPCS) User's Guide.

DISPLAYING MESSAGES AT THE TERMINAL

When you log on to VM/370 at your terminal, the default setting for the display of messages is TEXT. This means that only the text portion of the message will appear when the message is displayed. The message identifier will not be displayed.

Since this book is organized by message numbers within component codes, it will be difficult for you to find the explanations of messages if you search through the book for the message text. Therefore, you should issue the CP command SET MSG ON after you log on. This command causes the message identifier to be displayed along with the text.

The SET command is described in the VM/370: CP Command Reference for General Users. For convenience, you may wish to make the command SET MSG ON part of your PROFILE EXEC, so that it will be executed every time you log on. PROFILE EXECs are described in the VM/370: CMS User's Guide.

## SYNTAX CONVENTIONS

The syntax used in the messages and commands in this publication is as follows:

1. Anything within quotes '...' and/or in lowercase letters is replaced at execution time with information in the format described within the quotes.
2. Anything within braces {...|...} indicates alternate text and/or information selected at execution time.
3. Anything within brackets [...] may be optionally left out, depending on the condition arising.

The following abbreviations are used:

<u>Short Form</u>	<u>Meaning</u>
'...'	alphanumeric information
addr	storage address
bbcch	bin, cylinder, and head
callee	routine called by another routine and currently executing
caller	routine doing the calling
cc	cylinder number
char.	character
col	column
csw	channel status word
cuu	virtual device address
cyl	cylinder
dasd	direct access storage device
device name	mnemonic name for cuu such as 'PUNCH', 'DISK', 'CON', 'TAP1'
device type	the IBM device type such as 3330, 2314, etc.
fileid	fn ft [fm]
fm	filemode (mode letter and number)
fn	filename
ft	filetype
mode	mode letter, or mode letter and mode number
nn	decimal information
psw	program status word
rc	return code
rr	record number
rid	resource identification
svc	supervisor call number
ucs	universal character set
xx	hexadecimal information

## RETURN CODES

If a condition arises during execution of a command that results in the display of a Warning, Error, Severe Error, or Terminal Error message, the command passes a nonzero return code in register 15. CMS return codes (RC) are assigned as follows:

<u>Code (RC)</u>	<u>Meaning</u>
-0001	No CP command with this name was found. (The CP error code of +1 is converted by CMS to -0001 for commands entered from the virtual console.)

- 0002 • An attempt was made to execute a CMS command while in CMS subset mode, which would have caused the module to be loaded in the user area (LOADMOD error code 32).
- 0003 • No CMS command with this name was found.
- 0004 • The LOADMOD failed (for example, there was an error in the module).
- 0005 • A LOADMOD was attempted with the wrong environment (for example, the module was GENMODed with the OS option and LOADMOD was attempted with DOS=ON specified).
- 4 • The user did not specify all the conditions to execute the command as intended. Execution of the command continues, but the result may or may not be as the user intended.
- 8 • Device errors occurred for which a Warning message is issued, or Errors have been introduced into the output file.
- 12 • Errors have been found in the input file.
- 20 • There is an invalid character in the fileid. Valid characters are: 0-9, A-Z, \$, @, #, a-z.
- 24 • The user did not specify the command line correctly.
- 28 • An error occurred while trying to access, or manipulate, a user's files; for example, file not found.
- 32 • The user's file is not in the expected format, or The user's file does not contain the expected information.
- 36 • An error occurred with respect to the user's devices for which he is responsible. For example, a disk is in read-only status, and needs to be in write status in order to write out a file.
- 40 • A functional error for which the user is responsible occurred during execution of the command, or The user failed to supply all the necessary conditions for executing the command, or End-of-file, end-of-tape (where applicable).
- 41 • Insufficient storage was available to execute the command.
- 88 • A CMS system restriction prevented execution of the command, or The function requested is an unsupported feature, or The device requested is an unsupported device.
- 100 • Input/output device errors.



- 104 • A functional error for which the system is responsible occurred during execution of the command.
- 256 • All unexpected errors for which the system is responsible; that is, Terminal Error messages.

If no Warning, Error, Severe Error, or Terminal Error messages are generated during execution of the command, the return code passed to register 15 is zero.

Commands that invoke Program Products pass the return code set by the program in register 15 to the user. This code may have the same number as a CMS code described above; however, it will have been redefined by the Program Product or compiler in operation.

Return Codes Produced by the CP DIRECT Command

<u>Code (RC)</u>	<u>Meaning</u>
1	• Invalid filename, or file not found.
2	• Error loading the directory.
3	• Invalid option from CMS.
4	• Directory not swapped, user not class A, B, or C.
5	• Directory not swapped, system (old) directory locked.
6	• Directory not swapped, the directory in use by the system is not the directory updated.
1xx	• Error in the CMS RDBUF routine.
2xx	• Error in the CMS TYPLIN routine.

where:

xx is the CMS routine return code.

Return Codes Produced by the CMS DDR Command

<u>Code (RC)</u>	<u>Meaning</u>
1	• Invalid filename, or file not found.
2	• Error running the program.
3	• Flagged DASD track.
4	• Permanent tape or DASD I/O error.
1xx	• Error in the PRINTIO routine.
2xx	• Error in the CONREAD routine.
3xx	• Error in the RDBUF routine.
4xx	• Error in the TYPLIN routine.

where:

xx is the CMS routine return code.

Example of a Return Code from a CP Command

Commands or functions of commands passed to CP pass the return code sent back by CP to register 15. For example, suppose the user is in CMS mode and invokes the CP command LINK:

```
ipl cms
CMS VERSION n.n mm/dd/yy
-----
cp link to * vaddr1 as vaddr2 r
```

The user has entered the CP command LINK to userid \*. That means the user's own directory will be searched for device vaddr1. Vaddr2 is the virtual address to be assigned to the device for this virtual machine. Read-only access is requested. No password is required because the user has linked to one of his own disks.

The result may be:

R; which indicates successful execution.  
R(nnnnn); which indicates an error.

If nnnnn contains a CMS return code (as described above), the error occurred in CMS.

If nnnnn contains a CP message identification (see "CP Error Message Numbers," below), the error occurred in CP.

The return code can be used by a system programmer in the DEBUG subcommand and also in EXEC procedures. See the VM/370: CMS Command and Macro Reference for a description of the &RETcode special variable.

CP PROBLEM DETERMINATION

CP error messages fall into several categories according to the number (nnn) of the message, as follows:

CP Error Message Numbers

001-349	CP commands, console functions
350-399	Nucleus loading
400-424	Paging
425-449	Spooling
450-474	Dispatching and service routines
475-499	Directory routine
500-549	Input/Output error recovery
550-599	Input/Output error recording
600-649	Machine check recovery
650-699	Reserved for IBM use
700-729	DDR (dump/restore) service program
730-749	FMT (format) service program
750-799	DIR (directory) service program
800-849	Reserved for IBM use
850-899	EDM (VMFDUMP) service program
900-999	Checkpoint, Warmstart, Dump, Initialization

The normal class G user and other users who enter CP commands receive error messages in the range 001 to 349 only. Messages numbered from 350 to 699 are for the primary system operator only. Messages numbered from 700 to 999 cover CP service routines and are usually observed only by system support personnel.

#### General User Action

If in the normal use of CP commands, error messages in the range of 001 to 349 persist, and the usual corrective action does not have any effect, the user should perform the following steps before contacting the IBM FE Program System Representative for software assistance.

1. Keep the terminal sheet that identifies the problem.
2. Attempt to reproduce the problem, making sure that the full error message function is in effect by issuing the CP command:

SET EMSG ON

3. Obtain the virtual machine's current configuration by issuing the CP command:

QUERY VIRTUAL

4. Where appropriate, and depending upon conditions, obtain a virtual storage dump by issuing the CP command:

DUMP 0-END

#### System Operator Action

System operators (class A, B, C, D) who observe problems with CP commands should do the following:

1. Keep the console output sheet identifying the problem.
2. Attempt to reproduce the problem with full error message by issuing the CP command:

SET EMSG ON

3. Obtain the real machine's configuration status by issuing the CP command:

QUERY ALL

4. Reissue the CP command that has been causing the errors. If the problem recurs, force a CP ABEND dump by pressing the RESTART key (not RESET). This technique automatically suppresses tracing while storage is being dumped. When the system restarts, use the VMFDUMP command to format and print the dump.

Caution: This will cause a system restart and all users must log on again. The advantage of using this technique, however, is that it provides you with a formatted dump.

If it is too disruptive to log off all users, you can obtain a dump using the CP command DMCP, which allows all users to remain logged on. Such a dump will go directly to the printer, however, so it cannot be formatted. You must weigh the advantages and disadvantages of both techniques.

5. If you use the DMCP command, first reissue the CP command causing the problem. Then enter "alter/display" mode and display the following:

(a) D P - PSW  
(b) D G - General registers  
(c) D C - Control registers

Next, use the class A CP command MONITOR STOP CPTRACE to turn off tracing. Otherwise, the dump would show the dumping activity in the trace table.

Then obtain the dump by issuing:

DMCP 0-END

Lastly, turn tracing back on by issuing the CP command MONITOR START CPTRACE.

(Alternatively, if you do not have privilege class A, you can stop tracing by issuing the class C command STCP to store X'0000' at location X'400', and resume tracing by storing X'FFFF' at location X'400'.)

CP WAIT STATE CODES

Wait State Code	The wait state code is found in the right half of the program status word (PSW) when the computer is in wait state.
Modules Producing Code	Channel check handler (CCH) Machine check handler (MCH) CP initializer (CPI) Checkpoint (CKP) System dump (DMP) System save (SAV) Warm start (WRM)
Routing and Where Displayed	To operator. Displayed at the operator's console.
Program Status Word Format	<pre> xxxxxxxxxxxxwww xxxxxxxxx  Left half of the program status word.            This half can be either:            03xxxxxxx  Valid wait condition. The system                     is waiting for work.            00xxxxxxx  System wait caused by an error                     condition.            zzzzzwww  Right half of the program status word.                      The wait state code, www, indicates the                     error condition. </pre>

Figure 2. Description of CP Wait State Codes

001 Explanation: The machine check handler has encountered an unrecoverable failure. Probable hardware error. Issued by module DMKMCH.

Operator Action: Run the System Environment Record Edit and Print (SEREP) program before restarting the system. If the problem persists, contact your system support personnel.

To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

Note: VM/370 cannot checkpoint and warm start after a machine check failure on System/370 Models 165 and 168. The inability to warm start is caused by running the 165 or 168 SEREP program.

002 Explanation: The channel check handler has encountered an unrecoverable failure. Probable hardware error. Issued by module DMKCCH.

Operator Action: Run the System Environment Record Edit and Print (SEREP) program before restarting the system. If the problem persists, contact your system support personnel.

To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

Note: VM/370 cannot checkpoint and warm start after a channel error on System/370 Models 165 and 168. The inability to warm

start is caused by running the 165 or 168 SEREP program.

003 Explanation: A system failure occurred before a valid warm start was performed. Issued by module DMKDMP.

Operator Action: IPL the system again. If the error persists, clear storage before attempting another IPL. If the problem persists after the second IPL with cleared storage, a cold start is probably required. Save the dump produced on the prespecified dump device for your system support personnel. Refer to the message description for possible causes.

004 Explanation: This wait state code is loaded by DMKDMP when a console or an output device is not operational, or when a console or output device produces an inexplicable error status. Probable hardware error. Issued by module DMKDMP.

Operator Action: IPL the system again. If the problem persists, contact your system support personnel.

To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

005 Explanation: The CP initialization module (DMKCPI) could not find an operational primary or alternate console. Probable hardware error. Issued by module DMKCPI.

**Operator Action:** IPL the system again. If the problem persists, contact your system support personnel.

006 **Explanation:** This is a normal wait when a system shutdown is completed. Issued by module DMKCPI.

**Operator Action:** Follow normal operating procedures.

007 **Explanation:** A program check, a machine check, a permanent I/O error, invalid warm start data, an invalid warm start cylinder, or a full warm start cylinder was encountered by the checkpoint program. Issued by module DMKCKP.

**Operator Action:** For message DMKCKP901W, run SEREP to document the machine check, then contact your system support personnel. For message DMKCKP902W, an indication of an unrecoverable I/O error, move the SYSRES volume if possible and try to checkpoint the system. For message DMKCKP910W, if more than one SYSRES volume is mounted, check to see that the correct volume is IPLed and try a checkpoint operation. If the operation fails again use the following procedure. This procedure is to be used for all other DMKCKP messages as well.

1. Dump the first 3000 hexadecimal storage locations.
2. Dump the warm start cylinders.
3. Contact program support personnel.
4. To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

The following storage locations contain information related to wait state 007.

Hexadecimal Location	Contents
10	Sense data up to 24 bytes
40	Channel status word (8 bytes)
48	Channel address word (4 bytes)
808	Pointer to error message (4 bytes)
816	Cylinder address of the first nucleus cylinder (2 bytes)
818	Cylinder address of the last nucleus cylinder (2 bytes)
81C	BBCCHRR of the DMKSAV module on disk (7 bytes)
824	Current seek address BBCCHRR (7 bytes)
800-17FF	Checkpoint program (DMKCKP)
1800-3000	Checkpoint work area and 4096-byte buffer

An error message preceding the wait state may or may not be displayed, depending on the status of the console. If the error

message is not displayed, hexadecimal location 808 contains the address of the error message (60 bytes in length).

008 **Explanation:** Checkpoint and system shutdown are complete or system recovery has failed. Issued by module DMKCKP.

**Operator Action:** If messages preceded the WAIT, follow normal operating procedures prescribed by your installation after shutdown. If messages did not precede the WAIT, either:

1. The console printer was unavailable for some reason. Before initializing a new system, make sure the console printer has been made operational, or
2. The system is running from the alternate console. Messages DMKCKP910I, DMKCKP911W, DMKCKP960I, and DMKCKP961W do not appear on the alternate console. Follow normal operating procedures prescribed by your installation after shutdown.

009 **Explanation:** An error condition has occurred which prevents a warm start. Issued by module DMKWWM.

**Operator Action:** If the message is DMKWWM904W or DMKWWM921W, immediately retry warm start system initialization. If the error message recurs, move the VM/370 SYSRES pack to another location and try a warm start again. If message DMKWWM903W or DMKWWM912W is encountered, ensure that all system volumes (no duplicate labels) are correctly mounted, and then attempt a warm start.

If warm start errors persist, force a system dump to the printer by pressing the system console RESTART key, and save the results for the installation support personnel.

If the message is DMKWWM920W, restart the system using CKPT start. Otherwise, use a FORCE or COLD start.

00A **Explanation:** A machine check occurred while DMKSAV was attempting to save or restore a page image copy of the nucleus on a SYSRES device. Probable hardware error. Issued by module DMKSAV.

**Operator Action:** Run the System Environment Record Edit and Print (SEREP) program before reloading. If the problem persists, contact your system support personnel.

00B **Explanation:** A machine check error occurred during system initialization. Probable hardware error. Issued by module DMKCPI.

**Operator Action:** Run the System Environment Record Edit and Print (SEREP) program before performing another IPL. If the problem persists, contact your system support personnel.

00C Explanation: When an IPL is performed on a VM/370 volume that has never had a nucleus written on it, this wait state PSW is loaded.

Operator Action: DMKFMT writes this PSW on Cylinder 0 Record 1 during a format operation.

00D Explanation: The generated system is larger than the real machine size, or else a hardware malfunction has occurred which inhibits VM/370 from using the necessary storage. Issued by module DMKCPI.

Operator Action: Take a standalone dump and notify the system programmer.

00E Explanation: An error condition has occurred which prevents a CKPT start. Issued by module DMKCKS.

Operator Action: If message DMKCKS915E is issued, try CKPT start again. If the error persists, move the VM/370 SYSRES pack to another DASD device and try again. If message DMKCKS916E is issued, re-IPL the system, using the FORCE option of the START command. If message DMKCKS903E or DMKCKS912E is issued, ensure that all system volumes (no duplicate labels) are correctly mounted, and then attempt a CKPT start. If message DMKCKS917E is issued, re-IPL the system via a COLD start.

00F Explanation: Hardware errors are being received on VM/370 paging device(s). This wait state is preceded by message DMKPAG415E CONTINUOUS PAGING ERRORS FROM DASD xxx. Issued by module DMKPAG.

Operator Action: If there are multiple paging devices on the system, disable the device causing the error condition and re-IPL the system. Or, move the paging volume pack to another physical device. This error condition can be caused if the VM/370 paging volume has not been formatted correctly.

010 Explanation: Loaded by DMKSAV during a system nucleus save operation when a recoverable error is encountered.

Operator Action: This wait state is preceded by either the message DMKSAV350W or DMKSAV351W. Correct the problem stated in the message and present an external interrupt to initiate a retry.

011 Explanation: Loaded by DMKSAV when an unrecoverable Input/Output error occurs.

Operator Action: This wait state is preceded by message DMKSAV352W or DMKSAV353W. Correct the problem stated in the message and load (IPL) the tape again.

012 Explanation: This is a normal wait state loaded by DMKSAV on completion of a nucleus load.

Operator Action: Follow normal operating procedure.

027 Explanation: Loaded by DMKSSP when an unrecoverable input/output error occurs or system input is incorrect.

Operator Action: Correct the input/output error condition or the system input, and re-IPL the starter system.

## LOADER WAIT STATE CODES

The loader (DMKLD00E) is a service program that loads a CP, CMS, or RSCS nucleus, and produces a load map. The loader loads the object modules (TEXT files) supplied with it, resolves CCW addresses, and resolves address constants.

If the loader terminates, one of the following wait conditions is indicated in the instruction counter:

Code	Meaning
X'111111'	A program check occurred.
X'222222'	A unit check occurred while the bootstrap routine was reading in the loader.
X'999999'	An SVC was issued.
X'BBBBBB'	A machine check occurred.
X'CCCCCC'	An I/O error occurred on the card reader.
X'FFFFFF'	An I/O error occurred for the console (X'00' contains the message UNRECOVERABLE ERROR), or the control card for changing the default I/O addresses for the printer or terminal is invalid (X'00' contains the message BAD DEVICE CARD or INVALID DEVICE SPECIFIED).

If the instruction counter contains X'999999', indicating an SVC wait state, examine the interruption code (the third and fourth bytes of the supervisor old PSW). The interruption codes (shown in hexadecimal below) indicate the error condition.

64 Explanation: An error occurred during conversion of a value from hexadecimal to binary format. This can be caused by invalid input in one of the loader statements, or by an error in the loader.

Operator Action: Validate the copy of the loader you are currently using against the copy on the original distribution tape. If the current copy is no longer valid, replace it. If the input in the statements is invalid, correct it. If the problem persists, contact your system support personnel.

65 Explanation: There is no more free storage available for the loader.

Operator Action: Define a larger storage size for the virtual machine and reexecute the loader.

66 Explanation: A duplicate type 1 ESD (External Symbol Dictionary) entry has been encountered. The loader cannot resolve this reference. This may be the result of a

duplicate text deck in the input stream, or of having the same label in two different text decks in the same input stream.

Operator Action: Close the printer to get the load map printed. Look at the load map to see which text deck and which entry are causing the problem. If you can correct the problem, do so; otherwise, contact your system support personnel.

67 Explanation: The "name" in the LDT (Loader Terminate) statement is undefined.

Operator Action: Verify that the name in the LDT statement is correct; if it is, make sure that it is defined as an entry point in the program to be loaded.

68 Explanation: The control section named in the ICS (Include Control Section) statement was not found by end of file.

Operator Action: Verify that the control section name in the ICS statement is correct; if it is, make sure that the control section is defined in the program to be loaded.

69 Explanation: The loader attempted to add another entry to the reference table, which would have caused the table to overflow. Since the reference table supplied by VM/370 is large enough to allow the CP nucleus to be generated, it must be assumed that the inclusion of local additions to the CP nucleus have caused the excessive references to be generated.

Operator Action: Increase the size of the reference table by changing the MAXREF equate field in the source code for the loader program, reassembling it, and then reexecuting the loader. Once the size of the reference table has been increased, error code 6A may occur. In that case, define a larger storage size for the virtual machine. If the problem persists, contact your system support personnel.

6A Explanation: The object modules being loaded are about to overlay the loader.

Operator Action: Define a larger storage size for the virtual machine. To see which module was about to overlay the loader, close the printer to get the load map printed. The last line of the load map indicates the last module that was loaded.

6B Explanation: The object modules being loaded are about to overlay an address between zero and 100 (hexadecimal). This can occur if the address at which loading was to start was changed by an SLC card.

Operator Action: Check the SLC card to make sure it does not specify an address between zero and 100. If you must place data at an address in that range, do not do it with the loader, but use a program to place the data there with a Move Character instruction after the loaded system has begun to execute. It is the responsibility of the loaded program to initialize that part of storage.

6D Explanation: The loader is trying to release storage that is not on a doubleword boundary. This is an internal loader error.

Operator Action: Reexecute the copy of the loader that is in your reader. If the problem persists, regenerate the system to be loaded and try to execute it again. If the problem still persists, the current copy of the loader itself may be damaged; replace it with the loader on the distribution tape. If the problem still persists, contact your system support personnel.

RSCS WAIT STATE CODES

When RSCS enters a wait state, the RSCS operator is notified via the CP message:

DMKDSP450W CP ENTERED; DISABLED WAIT PSW

issued to the RSCS operator's console. Using CP commands, the operator can display the virtual machine's PSW. The three rightmost hexadecimal characters indicate the error condition.

001 Explanation: If no RSCS message was issued, a program check interrupt has occurred during the execution of the program check handler. The probable cause is a programming error. If the RSCS message

DMTrex091T INITIALIZATION FAILURE -- RSCS  
SHUTDOWN

was issued, RSCS operation has been terminated because of an error in the loading of DMTAXS or DMTLAX. A dump of virtual storage is automatically taken. Verify that the CMS files DMTAXS TEXT and DMTLAX TEXT are correctly written and resident on the RSCS system residence device. If the RSCS message

DMTrex090T PROGRAM CHECK IN SUPERVISOR --  
RSCS SHUTDOWN

was issued, the program check handler has terminated RSCS due to a program check interrupt in other than a dispatched line driver. The probable cause is a programming error.

The wait state code is loaded by DMTREX at RSCS termination or automatically during program check handling.

Operator Action: If neither of the above two messages was issued, use the CP DUMP command to dump the contents of virtual storage. IPL to restart. If the problem persists, notify your system support personnel.

007 Explanation: A program check interrupt has occurred during initial processing, before the program check handler could be activated. This may be caused by a programming error or by an attempt to load RSCS into an incompatible virtual machine. The latter case can occur if the virtual machine (1) has an incomplete instruction set, (2) has less than 512K of virtual storage, or (3) does not have the required VM/370 Diagnose interface support. The wait state code is loaded automatically during the initial loading and execution of the RSCS supervisor, DMTINI, DMTREX, DMTAXS, and DMTLAX.

Operator Action: Verify that the RSCS virtual machine configuration has been correctly specified and that the "retrieve subsequent file description" function of DIAGNOSE code X'14' is supported. Dump the contents of virtual storage via the CP DUMP command. If the problem persists, notify your system support personnel.

011 Explanation: An unrecoverable error has occurred during the reading of the RSCS nucleus from DASD storage. This may be caused by a hardware malfunction of the DASD device. It may be the result of (1) an incorrect virtual DASD device definition, (2) an attempt to use a system residence device unsupported by RSCS, (3) incorrect RSCS system generation procedures, or (4) the subsequent overwriting of the RSCS nucleus on the system residence device. The wait state code is loaded by DMTINI after an attempt, successful or not, to issue the message:

DMTINI402I IPL DEVICE READ I/O ERROR

Operator Action: Verify that the RSCS system residence device has been properly defined as a virtual DASD device and that the real DASD device is mounted and operable. If the problem persists, dump virtual storage via the CP DUMP command and notify your system support personnel. The RSCS system residence device may have to be restarted or the RSCS system may have to be regenerated.



## CP ABEND CODES

### SYSTEM OPERATOR ACTION

The operator must do two things when an abend occurs: collect information about the error and system status so that the error can be fixed, and recover from the abend so processing can continue.

#### Collecting Information

Unless the operator has issued the SET DUMP command and changed the default (which he should not do, generally), the system is set for SET DUMP AUTO CP. When an abend occurs, this causes the dump to be written on disk as a spool file. This spool file is automatically spooled to the virtual reader of the operator who was designated at system generation time to receive all dumps. This operator should then IPL CMS and issue the VMFDUMP command (see the VM/370: Operator's Guide). This formats the dump and prints it. This procedure should be followed for every abend.

For problem determination, the operator should save and submit:

1. The formatted dump.
2. The console sheet, as far back as the last IPL of the system.
3. The output of any Monitor program running at the time.

If an APAR is to be submitted, the documentation provided with it should include, in addition to the above, a load map showing applied updates and resolved locations. You can obtain as many copies of the load map as you need if, at system generation time, you respond "RDR" to the prompting message:

```
ROUTE LOAD MAP TO PRINTER OR READER? --  
RESPOND (RDR|PRT)
```

This sends to your virtual reader a copy of the load map, which can be read in as a CMS file named, for example, LOAD MAP.

When it is desirable to take a dump to tape and send the dump to another location (for example, when submitting an APAR by mail), use the following procedure:

1. Allow the dump to be written to a spool file by issuing

```
SET DUMP CP
```

2. Format this spool file and write it onto a CMS disk by issuing

```
VMFDUMP NOPRT
```

3. Write this disk file on tape by issuing the CMS command

```
TAPE DUMP
```

You can then send this tape to another location, where the file can be recreated on disk using the TAPE LOAD command.

#### Recovering from the Abend

The system usually re-IPLs itself. If it does not, attempt to warm start. You may get errors from which you can recover; if so, correct the cause of the error and try again to warm start. If unrecoverable errors occur, clear storage and try to checkpoint (CKPT) start. If this fails, try to force start. If this also fails, as a last resort you must cold start the system.

### SYSTEM PROGRAMMER ACTION

Figure 3 describes the reasons for each of the CP abend codes and discusses what the system programmer should do to locate and correct the error that caused the abend.

Abend Code	Reason for Abend	Action
BLD001	Register 8 should contain a pointer to the RDEVBLK for the user's terminal. This routine (DMKBLDVM) attempts to create and partially initialize a VMBLOK for a user. DMKBLDVM abnormally terminates if general register 8 does not contain a pointer to the user.	Verify that general register 8 points to an RDEVBLK for a terminal. If it does not, there is probably an error in the calling program. Identify the calling program by means of the return address and the base register in the save area pointed to by general register 13. Then, attempt to identify the source of the incorrect RDEVBLK address.
BLD002	Pages are being released but the page invalid bit is not on in the page table entry.	Examine the dump and determine why the page was released without the page invalid bit turned on.
CFG010	DMKCFGCL was called to perform an unsupported function. The function request may be found in SAVEWORK1, byte 2. Supported values are: X'01' LOAD SYS X'02' FIND SYS X'04' PURGE SYS	Identify the caller by the return address and base register in the SAVEAREA pointed to by register 13 to identify the source of the unsupported function request.
CKS001	The map for dynamic checkpoint has not been allocated prior to a call to DMKCKSPL.	The map should be allocated via a call to entry points DMKCKSIN or DMKCKSWM from DMKW RM. Check that DMKW RM does, in fact, call one of these entry points and that they do allocate a map.
CKS002	The spool file identification in the map and on the checkpoint cylinder do not match.	In this case, (1) DMKCKSWM or DMKCKSIN did not set up the map properly, (2) a call to DMKCKSPL caused the mismatch, or (3) the SFBLOK was released but the map was not updated.
CKS003	No function was specified in the call to DMKCKSPL.	Check location SAVERTN in the save area pointed to by general register 13. This indicates which routine called DMKCKSPL with insufficient data.
CKS004	A spool file to be deleted cannot be found on the system printer, punch, or reader file chains.	The SFBLOK for the file should have been queued previously on either the printer, punch, or reader file chain by DMKCKSWM when performing a CKPT start. Check for an error in this logic.

Figure 3. CP Abend Codes (Part 1 of 15)

Abend Code	Reason for Abend	Action
CPI001	The RDEVBLK for the DASD on which the SYSRES volume is mounted cannot be located, or the IPL volume is not the SYSRES volume. The SYSRES volume is specified in the SYSRES macro in the DMKSYS module.	Verify that the volume serial number on the SYSRES volume from which the IPL was attempted, is the same as that specified in the field DMKSYSVL. If the volume serial number is not the same, it may have been altered by the CLIP utility. Or, the image of the same nucleus saved on the SYSRES may have been partially destroyed and the SYSRES specification altered. Load or restore the nucleus from a backup copy to the SYSRES volume and try to IPL again.
CPI002	A valid system directory file could not be located.	Display the volume labels for all owned volumes. If the volumes do not contain an active directory pointer, run DMKDIR (the stand-alone directory program) to recreate the system directory on an owned volume. If an active directory pointer is present in at least one volume label, verify that the device on which the volume is mounted is online and ready before trying to IPL the system.
CPI003	The system TOD clock is not operational.	Call IBM for hardware support to fix the clock.
CVT001	The system TOD clock is in error or is not operational.	
DRD001	The device code index in the compressed DASD address for the system dump file points to an RDEVBLK for an invalid DASD. The valid DASDs are 2305 series, 3330 series, 3340 series, 3350 series or 2314/2319.	Verify that the contents and order of the owned list have not been altered since the dump was taken. If these fields have not been altered, the SPBLOK for the dump file may have been destroyed. The owned list is specified by the SYSOWN macro in the DMKSYS module.
DSP001	During I/O interruption, unstack and reflection, DMKSCNVU could not locate all of the virtual control blocks for the interrupting unit.	The integrity of the user's virtual I/O configuration has probably been violated. The unit addresses or indexes in the virtual control blocks are in error, or the virtual configuration has been altered by ATTACH/DETACH while I/O was in progress. Check for a device reset failure in DMKCFPRD.

Figure 3. CP Abend Codes (Part 2 of 15)

Abend Code	Reason for Abend	Action
DSP002	The dispatcher (DMKDSP) is attempting to dispatch a virtual relocate user whose shadow segment tables or virtual extended control register 0 are invalid.	Most likely, a free storage violation has occurred. First look at the DMKPRV and DMKVAT modules. Examine the real, virtual, and shadow translation tables for consistency of entry size and format. Also compare page and segment size.
DSP003	The interval timer was not incremented properly. This is most likely a hardware error. The dispatcher tests for interval timer errors and abnormally terminates if such an error occurs. Results would be unpredictable if CP continued when the interval timer was in error.	Check the timer fields in real storage. The value of the real interval timer is at real storage location X'50'. The dispatcher loads the value of the real interval timer in real storage location X'54' when a user is dispatched. The value of the real interval timer is loaded into real storage location X'4C' when an interrupt occurs. If the value stored at X'4C' is not less than the value stored at X'54', the dispatcher abnormally terminates. Check the routines that control the value of the time fields at X'4C', X'50', and X'54'.
DSP004	While tracing SIOs or I/O interrupts, the virtual device was detached. Now, the VDEVBLK cannot be found.	Examine the operator's console sheet and the user's terminal sheet to see who detached the device. Warn the person responsible that devices should not be detached during I/O tracing.
FRE001	The size of the block being returned (via GR 0) is less than or equal to 0.	Using FREER14 and FREER12 in the PSA, identify the CP module releasing the storage. Check for an error in calculating the size of the block or for a modification to the stored block size for variable-size blocks.
FRE002	The address of the free storage block being returned matches the address of a block already in the free storage chain.	Identify the program returning the storage by means of the return address and base registers (FREE14 and FREE12 in DMKPRE's save area in PSA). The most common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.

Figure 3. CP Abend Codes (Part 3 of 15)

Abend Code	Reason for Abend	Action
FRE003	The address of the free storage block being returned overlaps the next lower block on the free storage chain.	A free storage pointer may have been destroyed. Also, the module releasing the lower (overlapped) block may have returned too much storage. Examine the lower block and determine its use and former owner. Or, identify the program returning the storage by means of the return address and base registers stored (FREER14 and FREER12 in DMKFRE's save area in PSA). The most common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE004	The address of the free storage block being returned overlaps the next higher block on free storage chain.	A free storage pointer may have been destroyed. Also, the module releasing the higher (overlapped) block may have returned too much storage, or the module may be attempting to release storage at the wrong address.
FRE005	A module is attempting to release storage in the resident VM/370 nucleus.	A module is probably attempting to release location 0. Check for the module picking up a pointer to the free storage block without first testing the pointer for 0. Use FREER14 and FREER12 in the PSA to identify the module.
FRE006	A module is requesting a block of storage whose size (contained in GR 0) is less than or equal to zero.	Using FREER14 and FREER12 in the PSA, identify the module. Check for an error in calculating the block size. Improper use of the halfword instructions ICM and STCM can cause truncation of high order bits that results in a calculation error.
FRE007	A module is attempting to release a block of storage whose address exceeds the size of real storage.	A free storage pointer may have been destroyed. Attempt to identify the owners of the free storage blocks adjacent to the one containing the pointer that was destroyed. Check for moves and translation where initial counts of zero have been decremented to minus 1, thus generating an executed length code of X'FF', or an effective length of 256 bytes.

Figure 3. CP Abend Codes (Part 4 of 15)

Abend Code	Reason for Abend	Action
FRE008	The address of the free storage block being returned matches the address of the first block in the subpool for that size.	Identify the program returning the storage by means of the return address and stored base registers (FREER14 and FREER12 in DMKFREE's save area in the PSA). The common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE009	The address of the free storage block being returned matches the second block in the subpool for that size.	The common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE010	A program is attempting to extend free storage while storage is being extended. This can be caused by I/O interruptions or channel programs involving channels other than channel 0.	If the storage requests that caused the abend are due to channel activity, place the device involved on channel 0, which is disabled during free storage extension.
FRE011	A CP module has attempted to return a block of storage that is in the user dynamic paging area.	Identify the program returning the storage by means of the return address and stored base registers (FREER14 and FREER12 in DMKFREE's save area in the PSA). The common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
HVD001	The user pointed to by GR 11 issued a DIAGNOSE instruction while attempting to format the I/O error, channel check, or machine check recording areas; the SYSRES device type is unrecognizable.	The RDEVBLK for the SYSRES device was probably destroyed, or a volume with the same serial number as the SYSRES volume was mounted. If a volume with the same serial number was mounted, check the ATTACH processing in the DMKVDB routine.

Figure 3. CP Abend Codes (Part 5 of 15)

Abend Code	Reason for Abend	Action
IOS001	The caller is trying to reset an active IOBLOK from the RCHBLOK queue, but that IOBLOK contains an invalid address.	The IOBLOK may have been returned (via DMKFRET) or destroyed. Verify that the IOBLOK was valid and use the IOBLOK and RDEVBLOK to determine the last operation.
IOS002	DMKIOS is attempting to restart an IOBLOK from the RCHBLOK queue, but that IOBLOK contains an invalid address.	
IOS003	DMKIOS is attempting to remove an IOBLOK from a queue, but that IOBLOK contains an invalid address.	Register 2 points to the RCHBLOK, RCUBLOK, or RDEVBLOK from whose queue the IOBLOK is being removed. Register 10 points to the IOBLOK. Use the CP internal trace table to determine which module called DMKIOS twice to start the same IOBLOK.
NLD001	During execution of a NETWORK DUMP command, or during an automatic dump of a 3704 or 3705, VM/370 detected that it had not allocated sufficient DASD spool space to contain the information from the 3704 or 3705. The MODEL operand of the RDEVICE macro describing the 3704 or 3705 was not specified correctly. VM/370 determines the storage size of a 3704 or 3705 by the model specified on the RDEVICE macro.	Correct the RDEVICE macro specifying the 3704 or 3705, reassemble the DMKRIO module, and regenerate the VM/370 CP nucleus with the corrected module.
PGS001	The user page count in the VMBLOK (VMPAGES) became negative.	A module has attempted to release more pages than it originally received. The module that last called DMKPGS is probably the module in error.

Figure 3. CP Abend Codes (Part 6 of 15)

Abend Code	Reason for Abend	Action
PGT001	The number of cylinders in use stored in the allocation block (ALOCBLOK) is less than the maximum but the DMKPGT module was unable to find available cylinders.	Inspect the chains of paging and spooling allocation blocks anchored at RDEVPAGE and RDEVRECS on the RDEVBLOK for the device in question, and verify that a cylinder allocation block (RECBLOK) exists for each cylinder marked and allocated in the ALOCBLOK. If RECBLOKS for some cylinders are missing, it is possible that the bit map in the ALOCBLOK has been destroyed. If all cylinders are accounted for, the updating of the count field is in error.
PGT002	The count of pages in a page allocation block (RECBLOK) is less than the maximum but the DMKPGT module was unable to find available pages.	If the RECBLOK in question is in use for paging, then locate a SWPTABLE entry for each page allocated on the cylinder. However, if the cylinder is in use for spooling, it is possible that the RECBLOK itself has been destroyed or that the updating of the use count is faulty.
PGT003	The DASD page slot being released is not marked allocated.	Identify the module attempting to release the page by means of the caller's return address and base register stored in BALR14 and BALR12 in the BALRSAVE save area in PSA. Locate the source (control block or SWPTABLE entry) of the DASD address being released to verify that they have not been destroyed. If the DASD page is in a spool file, it is possible that the file or the RECBLOK chain has been incorrectly checkpointed and warstarted after a system shutdown or a system crash.
PGT004	The dummy RECBLOK indicating the spooling DASD pages on the cylinder that are to be released contains a page count greater than the number of pages allocated on the cylinder.	The spool file pointers may have been destroyed while the file was being processed, or the allocation chain may be in error. A cold start may be necessary. If feasible, use the DASD dump restore program to print the DASD areas containing the affected file, and try to locate the incorrect pointers.

Figure 3. CP ABEND Codes (Part 7 of 15)



Abend Code	Reason for Abend	Action
PGT005	A module is trying to release a DASD page slot on a cylinder for which no page allocation block (RECBLOK) exists.	Use BALR14 and BALR12 in the BALRSAVE area of the PSA to identify the module attempting to release the page. Verify that the DASD cylinder address is valid for the device in question. If it is and the rest of the DASD address is valid, verify that the cylinder is in the dynamically allocatable area. If these restrictions are met, the DASD page must have been used by more than one user.
PGT006	The last DASD page slot in a RECBLOK has been deallocated but the bit representing the cylinder in the cylinder allocation block (ALOCBLOK) is not currently set to one, indicating that the cylinder was not allocated.	The ALOCBLOK has probably been destroyed, or the chain pointer in the RDEVBLK is in error.
PGT007	A module is trying to release a page of virtual storage in use by the VM/370 control program that has not been marked allocated.	Use BALR14 and BALR12 in the BALRSAVE area of the PSA to identify the module attempting to release the page. Locate the control block containing the virtual page address that is being released. It is possible that the address has been destroyed, or a pointer to a virtual page has been retained after the page was destroyed.
PGT008	The system's virtual storage buffers have been exhausted because of an excessive number of open spool files.	Request users to close all spool files that are no longer active.
PRG001	Program check (operation) in the control program.	Examine the abend dump. In particular, examine the old PSW and identify the module that had the program check.
PRG002	Program check (privileged operation) in the control program.	
PRG003	Program check (execute) in the control program.	
PRG004	Program check (protection) in the control program.	

Figure 3. CP Abend Codes (Part 8 of 15)

Abend Code	Reason for Abend	Action
PRG005	Program check (addressing) in the control program.	Examine the abend dump. In particular, examine the old PSW and identify the module that had the program check.
PRG006	Program check (specification) in the control program.	
PRG007	Program check (data) in the control program.	
PRG008	Program check (fixed-point overflow) in the control program.	
PRG009	Program check (fixed-point divide) in the control program.	
PRG010	Program check (decimal overflow) in the control program.	
PRG011	Program check (decimal divide) in the control program.	
PRG012	Program check (exponential overflow) in the control program.	
PRG013	Program check (exponential underflow) in the control program.	
PRG014	Program check (significance) in the control program.	
PRG015	Program check (floating-point divide) in the control program.	
PRG016	Program check (segment) in the control program.	
PRG017	Program check (paging) in the control program.	
PRG018	Program check (translation) in the control program.	
PRG019	Program check (special operation) in the control program.	

Figure 3. CP Abend Codes (Part 9 of 15)

Abend Code	Reason for Abend	Action
PRG254	A translation specification exception has been received for a virtual machine that is not in extended control mode.	If the set of translation tables pointed to by RUNCR1 is correct, a hardware failure has occurred, possibly with dynamic address translation. Otherwise, call IBM for software support.
PRG255	A PER (program event recording) has been received for a virtual machine that is running with PER disabled in its virtual PSW.	Retry the program causing the error; if the problem persists, call IBM for software support.
PSA001	No free storage is available for save areas.	Try to identify the extreme load condition that caused the problem. Verify that a routine has not requested an inordinate amount of storage. If the storage requests are valid and the problem occurs regularly, alter the DMKCP1 module to allocate more than six pages of free storage per 256K bytes of storage.
PSA002	The 'PSW Restart' console key was pressed and caused this abend. The operator normally takes this action when an unusual system condition occurs, such as a system loop or slow machine operation.	Examine the resulting abend dump for a dynamic picture of the system's status.
PSA003	An unrecoverable DASD I/O error occurred on a paging device.	Check the unit address in the I/O old PSW to find the paging device in error. This is a hardware error. Call IBM for hardware support.
PTR001	A segment exception or translation specification has occurred while executing a LOAD REAL ADDRESS (LRA) instruction in the DMKPTR module.	Inspect the contents of control registers 0 and 1, and the format of the segment table pointed to by CR 1. One or more of these tables and registers may contain invalid data. If CR 1 is invalid, check the contents of the VMBLOK pointed to by GR 11, especially the address in the VMSEG field.
PTR002	A program is attempting to unlock a page frame whose address exceeds the size of real storage.	Use BALR14 and BALR12 in the BALRSAVE area of the PSA to identify the module attempting to unlock the page frame. Check for the source of the invalid address.

Figure 3. CP Abend Codes (Part 10 of 15)

Abend Code	Reason for Abend	Action
PTR003	A program is attempting to unlock a real storage page frame whose CORTABLE entry is not flagged as locked.	Use BALR14 and BALR12 in the BALRSAVE area of the PSA to identify the module attempting to unlock the page frame. Check for the source of the invalid address.
PTR004	The lock count in the CORTABLE entry for the page frame being unlocked has been decremented to a value that is less than 0.	Check the routines that update the lock count field and CORTABLE entry.
PTR005	The user page count in the VMBLOK (VMPAGES) is negative.	A module attempted to release more pages than it originally received. The last module that called DMKPTR is probably the module that caused the error.
PTR007	DMKPRE requested a page for fixed free storage but DMKPTR determined that there were no pages left in the dynamic paging area.	Examine the dump for one of the following conditions: 1. Excessive amounts of free storage have been allocated by CP and not released via DMKFRET. Look for blocks of identical data and determine which modules built that data. 2. A block of storage greater than 4096 bytes was requested. Requests for large blocks of free storage require contiguous pages from DMKPTR and as a result have a higher probability of failure than requests for one page or less. If possible, change the application to reduce the size of storage requests. Otherwise, schedule the application when storage is less fragmented.
PTR008	A CORTABLE entry on the free list points to a valid PTE (page table entry), but the page is allocated.	Pages on the free list should not contain valid PTEs. Examine the dump to determine which module called DMKPTRFR. The module that called DMKPTRFR probably contains an error.
PTR009	The count of the number of resident shared pages was incorrectly decremented making the count now less than zero.	The field DMKPTRSC contains the number of resident shared pages and the field DMKDSPNP contains the number of pageable pages. DMKDSPNP must always be greater than DMKPTRSC. Check the routines that update these two count fields.

Figure 3. CP Abend Codes (Part 11 of 15)

Abend Code	Reason for Abend	Action
PTR010	The count of the number of resident reserved pages was incorrectly decremented so that the count is now less than zero.	The field DMKPTRRC contains the number of reserved pages. DMKPTRRC must always be less than DMKDSPNP. Check the routines that update these two count fields (DMKDSPNP and DMKPTRRC).
PTR011	A CORTABLE entry to be placed on the free list points to a valid PTE (page table entry), but the page is allocated. An abend occurs trying to honor a deferred request.	Pages to be put on the free list should not contain valid PTEs. Examine the dump to determine why the page was not marked invalid before the call to DMKPTRFT.
PTR012	A CORTABLE entry to be placed on the free list points to a valid PTE (page table entry), but the page is allocated.	Pages to be put on the free list should not contain valid PTEs. Examine the dump to determine why the page was not marked invalid before the call to DMKPTRFT.
PTR013	DMKPRE requested a page for fixed free storage but there were no DASD page slots left to write out the selected page.	Examine the dump to determine what was using all the TEMP space. Excessive space may be consumed by large spool files or not enough TEMP space exists for paging.
RGA001	The reflected device status in the CSW is not supported for certain 3270 remote device and line protocol I/O operations. Specifically, the returned CSW contains a device status other than CE, DE, and UE; and, the ending CCW contains an embedded teleprocessing code of 02, 03, or 06.	IPL to restart the system. If the problem persists, call IBM for system support.
RGA002	The status flag BSCFLAG in the BSCBLOK indicates a condition that is not valid for a 3270 line reset function (Teleprocessing code 09).	
RNH001	An unrecoverable I/O error occurred during read or write for the 3704 or 3705. Status indicates program failure.	Retry. If the problem persists, ensure that the 3704/3705 and channel hardware are functioning correctly.

Figure 3. CP Abend Codes (Part 12 of 15)

Abend Code	Reason for Abend	Action
RNH002	A response that should not occur was received from the 3704/3705 control program.	Verify that the 3704/3705 NCP is operating correctly. Use the NETWORK TRACE command to determine the exact cause of the response.
RPA001	The virtual address supplied to DMKRPAGT is outside of the virtual storage being referenced.	The virtual storage belongs either to the user whose VMBLOK is pointed to by GR 11 or, if GR 2 in the SAVEAREA indicates a PARM of SYSTEM, to the system VMBLOK. Identify the calling program by means of the return address and base register saved in the SAVEAREA pointed to by GR 13. If the virtual address was obtained from the system's virtual storage, examine the virtual page allocation routine, DMKPTRVG. If the virtual page refers to a user's storage, attempt to identify the routine that has generated the incorrect address. Verify that the VMSIZE in the relevant VMBLOK reflects the correct storage size for the system or user being referenced.
RPA002	The virtual address supplied to DMKRPAPT is outside of the virtual storage being referenced.	
RPA003	The user page count in the VMBLOK became negative.	A module has attempted to release more pages than it originally received. The module that last called DMKREPA is probably the module in error.
SCH001	The total number of interactive users plus batch users in the scheduler's queue is less than zero. A counter was probably decremented incorrectly.	The field SCHN1 is the count of the number of interactive users and the field SCHN2 is the count of the number of batch users. Check the routines that update these two count fields (SCHN1 and SCHN2) to determine why their sum was negative.
SCN001	The VDEVLINK chain is invalid. A VDEVBLOK has a link field that points to another VDEVBLOK associated with the same real device. The first VDEVBLOK is not pointed to by any other link field in the chain.	IPL to restart. If the problem persists, examine the VDEVBLOKS in the link chain as well as the one whose link field points into the chain but is not in the chain. Determine what the owner of the VDEVBLOK was doing at the time.

Figure 3. CP Abend Codes (Part 13 of 15)

Abend Code	Reason for Abend	Action
TDK001	A program is attempting to deallocate a cylinder of T-disk space for which no cylinder allocation block (ALOCBLOK) exists.	Verify that GR 8 points to a RDEVBLK for a CP-owned volume. If it does not, the error may originate in the calling program. Identify the caller by the return address and base register in the SAVEAREA pointed to by GR 13, and try to identify the source of the incorrect RDEVBLK address. If the RDEVBLK is valid, it may be that the cylinder number passed is incorrect. The VDEVBLK for the device for which the T-disk was defined may have been destroyed. If the cylinder number appears valid, examine the allocation record on the real volume by running DMKFMT (VM/370 Format program), invoking the ALLOCATE option without allocating any new space. If the output shows that deallocated cylinder falls within an area defined for T-disk allocation, the ALOCBLOK chained to the RDEVBLK may be destroyed.
TDK002	A program is attempting to deallocate cylinder(s) of T-disk space that are not marked allocated.	Use the DASD Dump Restore program to print the UDIRBLOK page buffers from the directory device. Determine if the chain pointers are valid.
UDR001	The user directory module is looping trying to read all of the UDIRBLOK page buffers from the directory device. Or, a directory containing over 10,816 users was loaded.	IPL to restart. If the problem persists, check the SYSOWN macro in DMKSYS for validity. If the macro is good, print the dump and examine it.
VDB002	The system-owned list has an invalid format.	IPL to restart. If the problem persists, examine the RDEVSY flag. If the RDEVSY flag is off, the problem is especially serious; print and examine the dump. Examine the VDEVBLK and RDEVBLK checking the link chain.
VDR003	The DASD link chain is invalid. In the case of minidisks, attaching a minidisk that points to an RDEVBLK whose count of users is already zero causes this abend.	Verify that the unit address in the field IOBVADD in the IOBLOK pointed to by GR 10 is valid for the user who initiated the I/O. The field IOBUSER contains the address of the user's VMBLOK. If the address is valid, the integrity of the user's virtual I/O
VI0002	DMKSCNVU was unable to locate all of the virtual I/O control blocks for the virtual unit address associated with the interrupt just stacked.	

Figure 3. CP Abend Codes (Part 14 of 15)

Abend Code	Reason for Abend	Action
VIO002 (cont.)		configuration has probably been destroyed. If the address is not valid, the IOBLOK has been altered, or was built incorrectly in the first place.
VIO003	DMKIOS has returned an IOBLOK indicating a condition code of 2 was received from the START I/O for the operation.	Condition code 2 should never be returned to the virtual I/O interrupt handler. Its presence indicates either a failure in the I/O supervisor (DMKIOS), or that the status field in the IOBLOK (IOBSTAT) has been destroyed.
VMA001	DMKVMASH was called to check if any shared pages were altered. A VMABLOK associated with a shared named system could not be found.	Examine BALR14 for the address of the module that issues the call. The probable cause of error is that the VMBLOK has been overlaid. Examine the CP trace table entries and determine when the VMBLOK was overlaid.
VMA002	DMKVMA was called to make a shared named system unshared. However, the SHRTABLE associated with the shared page that was changed could not be located.	The SHRTABLE may have been overlaid or the shared page that was changed was altered by another virtual machine. If the SHRTABLE was not overlaid find out which virtual machine altered the shared page and why it was not detected.
VMA003	A shared page was changed and a named system could not be found for the virtual machine.	A shared page was altered by another virtual machine and went by undetected. Investigate system routines that could allow the undetected alteration of a shared page.
VMA004	A shared page was changed and the corresponding VMABLOK could not be found.	A shared page was altered by another virtual machine without being detected. Investigate the system routines that could allow an undetected alteration of a shared page.
VSP001	The virtual spooling manager could not locate all virtual control blocks for an interrupting unit.	Verify that the unit address (IOBVADD) in the IOBLOK is valid. If the address is valid, the integrity of the virtual I/O configuration has probably been destroyed. If the address is not valid, the IOBLOK has been altered or was built incorrectly.

Figure 3. CP Abend Codes (Part 15 of 15)



## CMS ABEND CODES

### USER ACTION

When a CMS abend occurs, you can either:

1. Enter `DEBUG` mode and issue the `DUMP` subcommand, or
2. Get a CP read on your terminal, or type `#cp`, and issue the `DUMP` command.

Either of these actions will cause a dump of storage to be performed. Do not issue the `DUMP` command in CMS mode, because abend processing will take place before the dump is performed and the indications of the error will be lost.

3. Save the console sheet. If you are using a display terminal as your virtual console, it is a good idea to spool your console

output to the printer by issuing the CP command `SPOOL CONSOLE START` either at the start of the session or by having the command in your `PROFILE EXEC`. Then if a problem does arise, a copy of your terminal activity will be available for reference. If the session is uneventful, the resulting printer file can be purged.

4. After the `DUMP` command is executed, the system automatically initiates recovery procedures, so it should not be necessary to re-IPL CMS. If, however, an error message is displayed indicating that error recovery has failed, you should re-IPL CMS.
5. To report a CMS problem, give the dump, the console sheet (or printed console file, if it was spooled), and copies of the CMS files involved to system support personnel.

Figure 4 lists the CMS abend codes and the modules that issue them, the cause of the abnormal termination, and the action the user should take to recover and continue.

Abend Code	Module Name	Cause of Abend	Action
001	DMSSTC	The problem program encountered an input/output error processing an OS macro. Either the associated DCB did not have a SYNAD routine specified or the I/O error was encountered processing an OS CLOSE macro.	Message DMSSTC120S indicates the possible cause of the error. Examine the error message and take the action indicated.
034	DMSVIP	The problem program encountered an I/O error while processing a VSAM action macro under DOS/VS for which there is no OS equivalent. An internal error occurred in a DOS VSAM routine.	Refer to the <u>DOS/VS Messages Reference</u> , Order No. GC33-5379, to determine the cause of the VSAM error.
0Cx	DMSITP	The specified hardware exception occurred at a specified location. "x" is the type of exception: <u>x</u> Type 0 IMPRECISE 1 OPERATION 2 PRIVILEGED OPERATION 3 EXECUTE 4 PROTECTION 5 ADDRESSING 6 SPECIFICATION 7 DECIMAL DATA 8 FIXED-POINT OVERFLOW 9 FIXED-POINT DIVIDE A DECIMAL OVERFLOW B DECIMAL DIVIDE C EXPONENT OVERFLOW D EXPONENT UNDERFLOW E SIGNIFICANCE F FLOATING-POINT DIVIDE	Type DEBUG to examine the PSW and registers at the time of the exception.
OF0	DMSITS	Insufficient free storage is available to allocate a save area for an SVC call.	If the abend was caused by an error in the application program, correct it; if not, use the CP DEFINE command to increase the size of virtual storage and then restart CMS.
OF1	DMSITS	An invalid halfword code is associated with SVC 203.	Enter DEBUG and type GO. Execution continues.

Figure 4. CMS Abend Codes (Part 1 of 3)

Abend Code	Module Name	Cause of Abend	Action
0F2	DMSITS	The CMS nesting level of 20 has been exceeded.	None. abend recovery takes place when the next command is entered.
0F3	DMSITS	CMS SVC (202 or 203) instruction was executed and provision was made for an error return from the routine processing the SVC call.	Enter DEBUG and type GO. Control returns to the point to which a normal return would have been made.
0F4	DMSITS	The DMSKEY key stack overflowed.	Enter DEBUG and type GO. Execution continues and the DMSKEY macro is ignored.
0F5	DMSITS	The DMSKEY key stack underflowed.	
0F6	DMSITS	The DMSKEY key stack was not empty when control returned from a command or function.	Enter DEBUG and type GO. Control returns from the command or function as if the key stack had been empty.
0F7	DMSFRE	Occurs when TYPICAL=SVC (the default) is specified in the DMSFREE or DMSFRET macro.	When a system abend occurs, use DEBUG to attempt recovery.
0F8	DMSFRE	Occurs when TYPICAL=BALR is specified in the DMSFREE or DMSFRET Macro devices.	When a system abend occurs, use DEBUG to attempt recovery.
101	DMSSVN	The wait count specified in an OS WAIT macro was larger than the number of ECBs specified.	Examine the program for excessive wait count specification.
104	DMSVIB	The OS interface to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.
155	DMSSLN	Error during LOADMOD after an OS LINK, LOAD, XCTL, or ATTACH. The compiler switch is on.	See the last LOADMOD (DMSMOD) error message for error description. In the case of an I/O error, recreate the module. If the module is missing, create it.
15A	DMSSLN	Severe error during load (phase not found) after an OS LINK, LOAD, XCTL, or ATTACH. The compiler switch is on.	See last LOAD error message (DMSLIO) for the error description. In the case of an I/O error, recreate the

Figure 4. CMS Abend Codes (Part 2 of 3)

Abend Code	Module Name	Cause of Abend	Action
15A cont.			text deck or TITLIB. If either is missing, create it.
174	DMSVIB	The OS interface to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.
177	DMSVIB DMSVIP	The OS interface to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.
240	DMSSVT	No work area was provided in the parameter list for an OS RDJFCB macro.	Check RDJFCB specifi- cation.
400	DMSSVT	An invalid or unsupported form of the OS XDAP macro has been issued by the problem program.	Examine program for unsupported XDAP macro or for SVC 0.
704	DMSSMN	An OS GETMAIN macro (SVC 4) was issued specifying the LC or LU operand. These operands are not supported by CMS.	Change the program so that it specifies allocation of only one area at a time.
705	DMSSMN	An OS FREEMAIN macro (SVC 5) was issued specify- ing the L operand. This operand is not supported by CMS.	Change the program so that it specifies the release of only one area at a time.
804 80A	DMSSMN	An OS GETMAIN macro (804 - SVC 4, 80A - SVC 10) was issued that requested ei- ther zero bytes of storage, or more storage than was available.	Check the program for a valid GETMAIN re- quest. If more storage was requested than was available, increase the size of the virtu- al machine and retry.
905 90A	DMSSMN	An OS FREEMAIN macro (905 - SVC 5, 90A - SVC 10) was issued specifying an area to be released whose ad- dress was not on a double- word boundary.	Check the program for a valid FREEMAIN re- quest; the address may have been incorrectly specified or modified.
A05 A0A	DMSSMN	An OS FREEMAIN macro (A05 - SVC 5, A0A - SVC 10) was issued specifying an area to be released which over- laps an existing free area.	Check the program for a valid FREEMAIN re- quest; the address and/or length may have been incorrectly spec- ified or modified.

Figure 4. CMS Abend Codes (Part 3 of 3)

CONTROL PROGRAM (CP) MESSAGES

001E ?CP: command

Explanation: The command specified is not a valid CP command, or a valid CP command was entered prior to logging on to VM/370.

User Action: Reissue the command in full, or in the proper abbreviated form.

- If a teletypewriter terminal user issues a TERMINAL APL ON command.
- If the NOTREADY command is issued for a device other than a spooled unit record or console device.
- If the device specified with a READY command is a virtual channel-to-channel adapter that has not yet been attached via the COUPLE command to another device. The virtual CTCA can be made ready only by issuing the COUPLE command.

002E INVALID OPERAND - operand

Explanation: One of the operands was incorrectly specified. This message is also displayed if a MONITOR STOP command is issued while data collection is inactive, or if a MONITOR START command is issued and data collection is already in progress.

User Action: Reissue the command with a valid operand.

User Action: Reissue the command; specify a valid device type.

003E INVALID OPTION - option

Explanation: One of the options was incorrectly specified or is invalid with the particular variation of the command. The option may be shorter than the minimum abbreviation required.

User Action: Reissue the command with a valid option.

007E INVALID USERID - userid

Explanation: The userid contains more than eight characters.

User Action: Reissue the command with a valid userid.

004E INVALID HEXLOC - operand

Explanation: The hexadecimal location is incorrect because of nonhexadecimal data in the operand or the operand is longer than six characters. If the operand was not a hexadecimal location, it was misspelled.

User Action: Reissue the command; specify the operand correctly.

008E INVALID SPOOLID - spoolid

Explanation: The spoolid specified was not a valid decimal number, or it was larger than 4 digits.

User Action: Reissue the command with a valid spoolid number.

004E INVALID HEXLOC - operand

Explanation: The hexadecimal location is incorrect because of nonhexadecimal data in the operand or the operand is longer than six characters. If the operand was not a hexadecimal location, it was misspelled.

User Action: Reissue the command; specify the operand correctly.

009E INVALID RANGE - range

Explanation: The range of addresses or registers specified is incorrect. For instance, the end address may be smaller than the starting address.

User Action: Reissue the command; specify the range.

005E INVALID HEXDATA - hexdata

Explanation: The hexadecimal data supplied either contains nonhexadecimal characters or is longer than eight characters.

User Action: Reissue the command; specify the hexadecimal data.

010E INVALID REGISTER - register

Explanation: The register specified is not in the range 0 through 15 or hexadecimal 0 through F. Or, the register specified is not 0, 2, 4, or 6 for a floating-point register.

User Action: Reissue the command; specify a valid register.

006E INVALID DEVICE TYPE - addr

Explanation: The device type specified is not recognized as a valid CP device, or it is incorrect for the function requested. Examples of conditions that cause this message to be displayed are:

011E INVALID DEVICE TYPE - userid vaddr

Explanation: The device type is invalid. If this is a DIAL command, the device specified is not a virtual low speed line.

If this is the COUPLE command, the device that was specified is not a virtual channel-to-channel adapter.

User Action: Ensure that the device is the correct type for the function, and reissue the command.

## 012E INVALID PSW - psw

Explanation: The PSW (program status word) specified by the STORE command is invalid. An invalid PSW is one where:

- The virtual machine is operating in extended control mode and some of the bits that are defined by the architecture to be zero have been turned on, or
- The virtual machine is operating in basic control mode, and the extended control mode bit has been specified.

User Action: Change the PSW to a valid format for the mode of the virtual machine. If this is not done, attempting to run the virtual machine with an invalid PSW will cause an invalid PSW message to be issued from the CP dispatcher.

## 013E CONFLICTING OPTION - option

Explanation: This message occurs when:

- The same option has been specified twice in the same command, or
- The function required by the given option is incompatible with a previously specified operand.

User Action: Consult the VM/370: CP Command Reference for General Users for the correct specification of the command and the allowed options, and reissue the command.

## 020E USERID MISSING OR INVALID

Explanation: The userid has not been supplied or is invalid. It may be longer than eight characters. This message is also issued if a user who does not have privilege class D issues the command QUERY FILE CLASS x userid, because the userid operand is valid only for class D users.

User Action: Reissue the command with a valid userid.

## 021E RADDR MISSING OR INVALID

Explanation: A real device address either has not been supplied or is invalid. An invalid device address is more than three characters long or contains nonhexadecimal characters.

User Action: Reissue the command with a valid real device address.

## 022E VADDR MISSING OR INVALID

Explanation: The virtual device address is either missing or invalid. An invalid virtual device address either:

- Is longer than three characters, or
- Contains nonhexadecimal data, or
- Is greater than X'5FF' for a virtual machine running in basic control mode, or
- Is associated with an unsupported device type (specified in the command IPL vaddr).

User Action: Reissue the command with a valid virtual device address.

## 023E VOLID MISSING OR INVALID

Explanation: The volume identification is either missing or invalid. A volid longer than six characters is considered invalid.

User Action: Reissue the command with a valid volume identification.

## 024E CYLS MISSING OR INVALID

Explanation: The number of cylinders must be specified with the command, but it is missing or invalid. An invalid cylinder specification is one that is four or more characters, or larger than the maximum number of cylinders available on the device type specified.

User Action: Reissue the command; specify the number of cylinders correctly.

## 025E STORAGE MISSING OR INVALID

Explanation: The amount of storage is either missing or invalid. An invalid storage specification contains invalid digits or does not end with the letter K or M.

User Action: Reissue the command; specify the storage requirement.

## 026E OPERAND MISSING OR INVALID

Explanation: A required operand is either missing or incorrectly specified.

User Action: Reissue the command with a valid operand.

## 027E SPOOLID MISSING OR INVALID

Explanation: The command requires that a spoolid be supplied, but it is either missing or invalid. An invalid spoolid is one that contains nondecimal characters.

User Action: Reissue the command with a valid spoolid.

## 028E CLASS MISSING OR INVALID

Explanation: The class value has not been supplied or is invalid. An invalid class is one that is not in the range A through Z or 0 through 9.

User Action: Reissue the command with a valid class.

## 029E FNAME FTYPE MISSING OR INVALID

Explanation: The filename and/or filetype is missing or has been incorrectly specified. An invalid filename is larger than 24 characters. An invalid filetype is larger than eight characters if the filename is eight characters or less.

User Action: Reissue the command; specify the required filename and/or filetype.

## 030E COPIES MISSING OR INVALID

Explanation: The operand that specifies the number of copies is either missing or invalid. An invalid copy specification is nondecimal or greater than 99.

User Action: Reissue the command; specify the required number of copies.

## 031E BUFFER MISSING OR INVALID

Explanation: The required buffer name is either missing or invalid. An invalid buffer name is longer than eight characters.

User Action: Reissue the command with a valid buffer name.

## 032E DIST CODE MISSING OR INVALID

Explanation: The distribution code either was not specified or is invalid. An invalid distribution code is longer than eight characters.

User Action: Reissue the command with a valid distribution code.

## 033E HEXLOC MISSING OR INVALID

Explanation: The hexadecimal location either has been omitted or is incorrectly specified. An invalid hexadecimal location is one that contains nonhexadecimal characters or is longer than six characters.

User Action: Reissue the command with a valid hexadecimal location.

## 034E CHANNEL MISSING OR INVALID

Explanation: The channel number is either missing or invalid. An invalid channel number either is longer than one character or is nonhexadecimal.

User Action: Reissue the command with a valid channel number.

## 035E DEVICE TYPE MISSING OR INVALID

Explanation: The command requires that a valid CP spool device type be entered as an operand, but it has been omitted or incorrectly specified. Valid device types are READER (R, RDR), PRINTER (P, PRT), and PUNCH (PU, PCH).

User Action: Reissue the command; specify a valid spool device type.

## 036E INDEX MISSING OR INVALID

Explanation: If INDEX MISSING is the condition, the requested FCB (forms control buffer) image in DMKFCB does not have an index value, therefore one must be supplied in the command. If INDEX INVALID is the condition, nn was not a number from 1 to 31, where nn corresponds to the number of the first print position.

User Action: Supply the value for INDEX in the FCB image or ensure that nn is a number from 1 to 31, whichever is appropriate. Reissue the command.

## 040E DEV addr DOES NOT EXIST

Explanation: The device address specified does not exist. If the device address was that of a real device, the real device is not configured in the CP system; if it was a virtual device address the virtual device is not configured in the virtual machine.

If the specified device address was valid, this message may indicate a problem with the Network Control Program and/or the 370x.

User Action: Reissue the command; specify the required real or virtual device address.

DMK

041E LOGMSG nn DOES NOT EXIST

Explanation: The SET LOGMSG command has been issued requesting a specific log message line, and the log message line does not exist.

User Action: Reissue the command; specify the required log message line.

042E SPOOLID nnnn DOES NOT EXIST

Explanation: The spoolid number specified does not exist within the specified device type.

If the spoolid specified is an open reader file (in use by the virtual machine), it cannot be changed or purged. A CLOSE command will purge an open reader file unless SPOOL RDR HOLD is in effect.

User Action: Reissue the command; specify only known and valid spoolids.

043E BUFFER name DOES NOT EXIST

Explanation: The buffer name supplied with the command is not known to the CP system. The buffer does not exist if it cannot be found in one of the following CP modules:

DMKFCB = 3211 Forms Control Buffers  
DMKUCB = 3211 UCS Buffers  
DMKUCS = 1403 UCS Buffers

User Action: Reissue the command; specify a valid buffer name.

044E SYSTEM name DOES NOT EXIST

Explanation: The system name specified does not exist in the VM/370 system.

User Action: Reissue the command; specify a valid system name.

045E userid NOT LOGGED ON

Explanation: The userid specified is not logged on. The command cannot execute properly unless the user specified is logged on.

User Action: Reissue the command; specify only users who are currently logged on.

046E {DEV rid{type raddr} OFFLINE

Explanation: The specified device or resource is offline and is considered not available to the CP system.

User Action: If this message was issued for DEV rid, issue the NETWORK VARY command to vary the resource online, and then reissue the command. If the message was issued for type raddr, issue the VARY command to vary the device online, and then reissue the command.

047E userid vaddr DOES NOT EXIST

Explanation: The device specified for the particular userid does not exist in that user's virtual machine configuration. If the message is issued for the DIAL or COUPLE command, the particular device specified with those commands is not defined in the receiving user's virtual machine configuration.

User Action: Reissue the command; specify only existing virtual device addresses for the receiving virtual machine.

048E CHANNEL x DOES NOT EXIST

Explanation: The channel specified in the ATTACH CHANNEL command is not configured in the CP system.

User Action: Reissue the command; specify only valid and defined real channel addresses.

049E type raddr IN USE

Explanation: An attempt was made to vary an active teleprocessing line or graphic device offline.

User Action: Deactivate the line by issuing the DISABLE command; then reissue the VARY command.

050E PASSWORD INCORRECT

Explanation: The password supplied with the LOGON command is incorrect.

User Action: Reissue the LOGON command, and supply the correct password when prompted.

051E MAXIMUM USERS EXCEEDED

Explanation: The maximum number of users specified by the system operator would have been exceeded if the logon was allowed to proceed.

User Action: Logon is not allowed and the line is disabled. Try to log on at a later time. If necessary, send a message to the operator before logging on to inquire about the status of the maximum number of users.

052E ERROR IN CP DIRECTORY

Explanation: The link or logon cannot be accomplished because of a permanent I/O error encountered while reading the VM/370 directory.

User Action: Send a message to the system operator stating that you cannot complete your link or logon because of an error in the VM/370 directory.



## 053E userid NOT IN CP DIRECTORY

Explanation: The userid supplied was not found in the VM/370 directory.

User Action: Reissue the command; specify a valid userid.

## 054E ALREADY LOGGED ON {LINE|GRAF} raddr

Explanation: The userid supplied in the LOGON command is already logged on at the given line address. (LINE indicates a typewriter terminal; GRAF indicates a display terminal.)

User Action: Log on specifying a different userid, or send a message to the operator or the logged-on user requesting information on the logon status.

## 055E LINE(S) NOT AVAILABLE ON userid

Explanation: The DIAL command has been issued to a userid and either:

- That userid has no 270X lines, or
- The lines are not enabled, or
- The lines are all busy.

User Action: Reissue the DIAL command specifying a userid that has enabled virtual 270X lines that are not already servicing a user.

## 056E LINE vaddr BUSY ON userid

Explanation: The virtual 270X line specified in the DIAL command is busy.

User Action: Reissue the DIAL command at a later time when the line becomes available.

## 057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|WNG OFF}

Explanation: The userid specified in a MSG or WNG command is not receiving because the user is disconnected or has set messages or warnings off using the SET command.

User Action: No further action is required.

## 058E CTCA vaddr BUSY ON userid

Explanation: The virtual channel-to-channel adapter specified in the COUPLE command is busy on the receiving userid's virtual machine.

User Action: Reissue the command; specify an available virtual channel-to-channel adapter.

## 059E AUTOLOG FAILED FOR userid - {IPL MISSING|IPL FAILED|ACCOUNTING ERRORS}

Explanation: An AUTOLOG command was issued for a user, but the command could not be

executed because of one of the following specified reasons:

1. IPL MISSING - there was no IPL record in the user's directory entry.
2. IPL FAILED - the IPL did not complete successfully.
3. ACCOUNTING ERROR - the logon accounting routine returned a non-zero return code.

System Action: The user is not logged onto the system.

User Action: For reason 1, have your system administrator place an appropriate IPL record in the specified user's directory.

For reason 2, log onto the userid in the usual manner to determine the cause of the IPL failure.

For reason 3, contact your system programmer for specific requirements of your local accounting procedures.

## 060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE

Explanation: The virtual printer either does not exist or is not ready.

User Action: If a virtual printer exists, issue the CP READY command for it and then reissue the DUMP command. If a virtual printer does not exist, use the CP DEFINE command to create one and reissue the DUMP command.

## 061E DUMP FAILED; VIRTUAL PRINTER ERROR

Explanation: Either an I/O error occurred while the dump was being spooled to DASD, or spool space has been filled.

User Action: Notify the system programmer.

## 090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE

Explanation: The virtual device has not been defined in the virtual machine's configuration because the real device described in the directory DEDICATE card is not available. A real device is considered not available if it is:

- Already attached to another user, or
- In use by the CP system, or
- Offline.

User Action: Ask the system operator about the status and availability of the real device. The operator can attach the required device or an alternate device to the virtual machine.

DMK

091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE

Explanation: The virtual device has not been defined in the virtual machine configuration because the temporary space requested is not available. Temporary space is considered not available if:

- No space has been allocated by the installation for temporary use, or
- The number of cylinders requested cannot be satisfied from the available space remaining.

User Action: The space cannot be defined if it has not been allocated. If space has been allocated, issue the DEFINE command requesting fewer cylinders.

092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED

Explanation: The virtual device specified has not been previously defined within the virtual machine's configuration, or that address is already defined within the virtual machine's configuration.

User Action: Reissue the command; specify a virtual device address that is not already defined within the virtual machine configuration, or detach the conflicting virtual device address before reissuing the command.

093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY

Explanation: The requested virtual device has not been defined within the virtual machine configuration because of an error in the CP directory. An example of this condition is a dedicated 2305 device which did not specify the first exposure address for both the virtual and real addresses on the DEDICATE statement.

User Action: Send a message to the system operator stating the problem so that the error in the CP directory can be corrected.

094E STORAGE EXCEEDS ALLOWED MAXIMUM

Explanation: The storage specified in the DEFINE command exceeds the maximum allowable as specified in the CP directory.

User Action: Reissue the DEFINE command specifying a smaller storage size.

098E DEV rid MODE SWITCH NOT POSSIBLE

Explanation: If this message was issued in response to the DIAL command, it indicates that the DIAL command was issued from a terminal connected to a 3704/3705 that is running the Network Control Program (NCP), or the Partitioned Emulation Program (PEP),

and the terminal cannot be switched from network control mode to emulation mode.

Otherwise, this message indicates that the NETWORK VARY command was issued with either the EP or NCP operand, requesting a mode switch that cannot be performed. Either the specified resource does not have the mode switch capability or the switch could not be performed. For the NETWORK VARY EP command line, the mode switch cannot be performed if:

- The resource is already in emulation mode.
- No RDEVBLK is available for addressing the line when it is in emulation mode.

For the NETWORK VARY NCP command line, the mode switch cannot be performed if:

- The resource is already in network control mode.
- No RDEVBLK exists for the emulator subchannel address associated with the specified resource.

System Action: Command execution is terminated.

User Action: For the DIAL command, verify that the correct 3704/3705 control program is active, and that the specific resource in use was generated with the mode switch capability. Note that the DIAL command cannot be used with the NCP, because the NCP does not support the mode switching function.

For the NETWORK VARY command, check the operands specified when the 3704/3705 control program was generated and correct any in error. Check that the RDEVICE macros in the DMKRIO module were specified correctly, according to the real machine and 3704/3705 configurations. If errors are discovered in the 3704/3705 control program generation, regenerate the 3704/3705 control program. If errors are discovered in the DMKRIO module, regenerate the CP nucleus.

101W DASD vaddr FORCED R/O; R/O BY {nnn USERS{userid}}

Explanation: The virtual device specified has been forced into read-only status because other users on the system already are linked to the same device with read-only access. If only one user has read-only access, that user's userid is displayed at the terminal.

User Action: This is a warning message for information only and no further action is required.

102W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}

Explanation: The virtual device specified has been forced into read-only status because other users on the system already have access to the same disk area in read/write mode. If only one user has read/write access, then that user's userid is displayed at the terminal.

User Action: This is a warning message for information only and no further action is required.

103W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}; R/O BY {nnn USERS|userid}

Explanation: The given virtual device has been forced into read-only status because the disk is in read/write use by some users and read-only use by other users linked to the same disk area. If the number of users having read/write or read-only access is one, the single userid is displayed at the terminal.

User Action: This is a warning message for information only and no further action is required.

104E userid vaddr NOT LINKED; R/O BY {nnn USERS|userid}

Explanation: The link to the user's virtual device has not been established because that disk area is already in read-only use by one or more users. If the number of users is one, the single userid is displayed at the terminal.

User Action: Reissue the LINK command, specifying the appropriate alternate access to obtain a link to the desired area in read or write mode.

105E userid vaddr NOT LINKED; R/W BY {nnn USERS|userid}

Explanation: The link to the requested user's virtual device has not been accomplished because that disk area is already in read/write use by one or more users. If the number of users is one, the single userid is displayed at the terminal.

User Action: Reissue the LINK command, specifying the appropriate alternate access to gain a link to the device in the required mode.

106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY {nnn USERS|userid}

Explanation: The link to the requested user's virtual device has not been established because the disk is in read/write use by some users and read-only

use by other users. If the number of users is one, the single userid is displayed at the terminal.

User Action: Reissue the LINK command, specifying the appropriate alternate access required to gain the correct link to the disk area.

107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY

Explanation: The link to the requested user's virtual device has not been established because that virtual device address is not defined in the VM/370 directory for the specified userid.

User Action: Reissue the LINK command, specifying the correct virtual device address or the correct userid.

108E userid vaddr NOT LINKED; VOLID volid NOT MOUNTED

Explanation: The link to the requested user's virtual device address has not been accomplished because the virtual device is defined on a volume that is not currently mounted on the CP system.

User Action: Send a message to the system operator asking him to mount the specified volume and attach it to the CP system.

Reissue the LINK command when the operator confirms that he has done so.

109E userid vaddr NOT LINKED; INVALID LINK DEVICE

Explanation: The link to the specified user's virtual device has not been accomplished because the virtual device defined in the user's CP directory entry is not a minidisk to which a link can be accomplished.

User Action: Reissue the LINK command with a valid userid and virtual device address.

110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED

Explanation: The link to the user's virtual device has not been accomplished because this virtual machine already has a device with the same address defined in its configuration.

User Action: Reissue the LINK command requesting a different virtual device address, detach the device with the conflicting virtual address from the virtual machine, and then reissue the LINK command.

## 111E userid vaddr NOT LINKED; NO READ PASSWORD

Explanation: The link to the requested user's virtual device has not been accomplished because no read access to it is allowed.

User Action: Contact your system programmer to request a directory change.

## 112E userid vaddr NOT LINKED; NO WRITE PASSWORD

Explanation: The link to the specified user's virtual device has not been accomplished because no write access to it is allowed.

User Action: Contact your system programmer to request a directory change.

## 113E userid vaddr NOT LINKED; NO MULT PASSWORD

Explanation: A link to the specified user's virtual device has not been accomplished because no multiple-access password is specified for the user's minidisk.

User Action: Contact your system programmer to request a directory change.

## 114E userid vaddr NOT LINKED; PASSWORD INCORRECT

Explanation: A link to the specified user's virtual device has not been accomplished because an incorrect password was entered.

User Action: Reissue the LINK command and specify the correct password.

## 115E {AUTOLOG|LINK} INVALID; EXCESSIVE INCORRECT PASSWORDS

Explanation: The AUTOLOG command issued from a virtual machine by a DIAGNOSE instruction is now invalid because the user has entered four incorrect passwords associated with the AUTOLOG command during the current terminal session.

The LINK command issued from a virtual machine by a DIAGNOSE instruction is now invalid because the user has entered ten incorrect unprompted passwords for access to minidisks during the current terminal session.

User Action: The command can still be entered from the CP command mode by signaling attention and reissuing the command. The command can be issued from the virtual machine environment if you do not enter the password as part of the input line but allow the CP system to prompt you for it. This error condition from the AUTOLOG or LINK command is designed to

prohibit password guessing by repetitive calls to the command from within the virtual machine.

## 116E USERID xxx NOT LINKED; CP DIRECTORY IN USE

Explanation: The userid to which you are linking is either logging on the system, or someone else is attempting a link to the same userid at this time.

User Action: Reissue the LINK command.

## 117E USERID userid NOT LINKED; VOLID valid CONFLICT

Explanation: The volume label in the user's directory entry matches the volume label on the real device, but the device class and device type are not the same.

User Action: Correct the error in the VM/370 directory for the device that cannot be linked.

## 120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED

Explanation: The real device has not been attached to the specified userid because that userid has already defined a virtual device of the specified virtual address.

Operator Action: Reissue the ATTACH command specifying a different virtual device address for the user. You should first send a message, via the MSG command, to the user requesting what action should be taken and what virtual device should be assigned. The user may wish to detach the conflicting virtual device from his machine configuration and ask the operator to reissue the ATTACH command.

## 121E type raddr NOT ATTACHED TO userid

Explanation: The real device has not been detached from the specified userid because it was not attached to that user. Either the real device or the userid has been incorrectly specified.

User Action: Reissue the DETACH command specifying the correct device address for the userid.

## 122E type raddr ALREADY ATTACHED TO userid

Explanation: The requested real device is already attached to another userid as stated in the error message. The operator has probably specified an incorrect real device address.

Operator Action: Reissue the ATTACH command, specifying the correct real device address.

## 123E DASD raddr CP OWNED

Explanation: The command has not been processed for the requested userid because that device is owned by the CP system. A CP-owned device is one that is defined in the system-owned list and is in use for paging or spooling space.

User Action: The command cannot be specified for the real device because that device must remain owned and in use by the CP system.

## 124E DASD raddr IN USE BY nnn USERS

Explanation: The command has not been executed because the device is in use by the stated number of users.

User Action: The command cannot be executed for the specified real device until all users who have minidisks in use on that device detach them.

## 125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM

Explanation: The volid is already mounted and attached to the system.

Operator Action: Reissue the ATTACH command specifying the correct volid. It may be necessary to detach the real device from the system that contains the duplicate volid before attempting the ATTACH command again.

## 126E DASD raddr ERROR READING VOLID

Explanation: The specified device could not be attached to the system because of an error in reading the volume label.

Operator Action: Check that there are no equipment failures; reissue the ATTACH command.

## 127E DASD raddr VOLID volid DOES NOT MATCH

Explanation: The real device has not been attached to the system because the volid read from the label does not match the one specified with the command.

Operator Action: Reissue the ATTACH command specifying the correct volid.

## 128E DASD raddr ERROR READING ALLOCATION RECORD

Explanation: The volume, which is a CP-owned volume, has not been allocated for CP use because the allocation record could not be read.

Operator Action: Detach the device from the system and reattach it to the system, after checking that there are no equipment failures.

## 129E CHANNEL x DEVICES IN USE

Explanation: The ATTACH CHANNEL command was not executed because the devices on that channel are already in use.

Operator Action: Detach devices from users and the system before reissuing the ATTACH CHANNEL command.

## 130E CHANNEL x NOT ATTACHED TO userid

Explanation: The DETACH CHANNEL command was not accomplished because that channel was not attached to the specified userid.

Operator Action: Reissue the command with the correct channel for the userid.

## 132E CHANNEL x ALREADY DEFINED BY userid

Explanation: The userid's virtual machine already has a channel with the same address defined in the virtual machine.

Operator Action: Request that the user detach all devices from the requested virtual channel and then reissue the command specifying the correct channel address.

## 133E DASD raddr NOT READY

Explanation: An attempt has been made to attach a DASD device that was not ready.

Operator Action: Make the device ready and reissue the command.

## 134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED

Explanation: The command has not been executed for the requested userid because the user has attached a dedicated channel with the same channel number as the virtual channel number specified in the ATTACH command.

Operator Action: Verify that the vaddr in the ATTACH command is correct.

135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED

Explanation: The command was not executed because the device was attached via the ATTACH CHANNEL command.

Operator Action: If the channel is no longer needed, issue the DETACH CHANNEL command.

136E TYPE vaddr NOT DEFINED; CHAN x DEDICATED

Explanation: The channel number appearing in the error message is a dedicated channel. Users of dedicated channels are not permitted to define devices in which the virtual channel address equals the real dedicated channel address.

User Action: Reissue the DEFINE command using a different virtual channel address.

137E DASD vaddr NOT LINKED; CHAN x DEDICATED

Explanation: Channel x is dedicated to this virtual machine. The vaddr appearing in the error message has a virtual channel that is equal to the real dedicated channel. Users of dedicated channels are not permitted to link to DASD device(s) where the virtual channel equals the real dedicated channel.

User Action: Reissue the LINK command using a different virtual channel address.

140E type raddr ATTACHED TO userid

Explanation: The device specified is not under CP control but is attached to the specified userid for its exclusive control.

User Action: Reissue the command; specify only devices under CP control. The operator must detach the device from the specified user in order to make it available to another user.

141E type raddr NOT ACTIVE

Explanation: The command could not be executed because the device specified was not performing any spooling function.

User Action: Reissue the command; specify the correct real device, if necessary.

142E type raddr NOT DRAINED

Explanation: The command was not executed because the device specified was not in a drained status.

Operator Action: Drain the specified device via the DRAIN command, and reissue the command.

143E type raddr IN USE BY SYSTEM

Explanation: The specified device either:

- Is attached to the system, or
- Is performing I/O activity, or
- Is a 3704 or 3705 that is loaded with an active EP, NCP, or PEP, or that is the active address for the automatic DUMP/LOAD process.

System Action: The command is not executed.

Operator Action:

- For any device other than a 3704 or 3705, detach the device if possible, or wait for the I/O activity to cease, and then reissue the command.
- For an active 3704 or 3705, the command cannot be executed.
- If a NETWORK DUMP is required, use the 3704/3705 LOAD button to activate VM/370 automatic dump and reload procedures.
- If a NETWORK LOAD of a 3704/3705 control program other than the active one is required, use the NETWORK DUMP command with the OFF option to suppress automatic recovery, and then use the subsequent NETWORK LOAD command. NETWORK SHUTDOWN can also be used to terminate the VM/370 Network Control Program.

144W type vaddr RESET BY userid

Explanation: The HALT command was used to terminate an active channel program and that channel program was associated with a specified virtual device.

System Action: The real device is halted and all pending interrupts are cleared from the specified virtual device. The virtual machine then enters CP command mode.

Programmer Action: Ensure that a valid channel program was started to the specified virtual device.

User Action: IPL the virtual system to continue.

148E type raddr BUFFER LOAD name FAILED

Explanation: The buffer load cannot be accomplished because of an I/O failure on the specified device.

User Action: Reissue the command, attempting to load the buffer as before. If the problem persists, there is probably a hardware error. Call your system support personnel for assistance.

160E HEXLOC hexloc EXCEEDS STORAGE

Explanation: The hexadecimal location specified exceeds the storage size. If the

hexadecimal location was a virtual address, the address was beyond the range of the virtual machine storage size; if it was a real address, then the address was beyond the range of the real storage size.

Note that the storage created by a virtual operating system running under VM/370 is beyond the range of the virtual machine storage size. Thus, the virtual region of a VS operating system running under VM/370, for example, cannot be displayed.

User Action: Reenter the command, using only valid hexadecimal locations within the range of the real or virtual storage size.

#### 161E SHARED PAGE hexloc ALTERED BY userid

Explanation: The operator has issued an STCP (store CP) command for the shared page at hexadecimal location 'hexloc'. This page has just been altered by the currently dispatched user, 'userid', and it therefore will belong solely to 'userid'. Another copy of the shared page will be created at another location for the other users sharing the page before the next user is dispatched. Since it is assumed that the operator wishes to change the contents of the shared page, not the individually owned page, the STCP command is not executed.

Operator Action: If you want to change the contents of the shared segment, use the class A LOCK command with the MAP operand to determine the real address of the page, and then reissue the STCP command with the corrected shared page address. If you want to change the contents of the altered, individually-owned page, reissue the STCP command; this time it will be executed.

#### 162E INVALID ECR x - hexdata

Explanation: The user has specified an extended control register with invalid hexadecimal data. Invalid hexadecimal data in an extended control register can mean that either certain bit combinations not allowed by the architecture have been specified, or addresses have been named that would cause specification or addressing exceptions in the virtual machine.

User Action: Reissue the command, specifying valid hexadecimal data for the control registers specified.

#### 162W INVALID ECR x - hexdata

Explanation: The virtual machine is running in extended control mode and an attempt has been made to store a reset value '00000E0' into control register zero (x). The store is completed.

User Action: Verify your intention to reset control register zero before continuing in extended control mode.

#### 163E STORE EXCEEDS MAXIMUM REGISTER

Explanation: The STORE command has been specified for registers with a number of operands to be stored in contiguous registers, and the number of operands specified would place the store beyond the valid register range.

System Action: The system has stored up to and including the maximum register allowed for the store function.

User Action: Verify that the STORE command was entered correctly and that the beginning register was correctly specified. If they were not, reissue the STORE command, specifying the correct registers and operands.

#### 164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

Explanation: The hexadecimal address specified with the command lies within a nonaddressable storage range. Nonaddressable storage is storage created by named systems such as VSAM.

User Action: Reissue the command, specifying a valid hexadecimal address.

#### 170E SYSTEM name EXCEEDS STORAGE

Explanation: If this message was issued in response to the SAVESYS or IPL command, the system name specified uses a virtual storage size larger than that defined for the virtual machine.

If this message was issued in response to a NETWORK command, the specified 3704/3705 control program is larger than the 3704/3705 storage (as specified by the RDEVICE macro), and the control program image cannot be loaded into the specified 3704/3705.

User Action: For SAVESYS or IPL, reissue the command, specifying a system name that will fit within the virtual machine storage size. Or redefine the virtual machine storage size using the DEFINE command, and then reissue the command.

For NETWORK, reissue the command specifying another control program that will fit in the 3704/3705.

#### 171E SYSTEM name VOLID volid NOT MOUNTED

Explanation: If this message was issued in response to the SAVESYS command, the system name cannot be saved because it requires a volume that is not mounted. This may be the volume on which the named system was to be saved or the volume that the saved system needs in order to properly execute once loaded.

If this message was issued in response to the IPL command, the system name cannot be loaded because it requires a volume that is not mounted. This may be the volume that contains the saved system, or the volume that the saved system needs in order to properly execute once loaded.

If this message was issued in response to the SAVENCP command, the volume specified by SYSVOL in the NAMENCP macro in DMKSNT is not currently available to the VM/370 system.

If this message was issued in response to a NETWORK command, the Network Control Program cannot be loaded because the volume on which it resides is not mounted.

User Action: Send a message to the system operator stating which volume is not mounted, and request that he mount the desired volume and attach it to the system. Reissue the command once the operator has verified that the correct volume is mounted and attached.

## 172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES

Explanation: The system name specified cannot be saved or IPLed because the direct access storage device address within the virtual machine's configuration does not match the DASD address and location specified in the name table of the CP system.

User Action: No action can be directly taken by the user. Verify that the system name you are trying to save or IPL contains the correct virtual device address and that that virtual device address matches the extent on the required owned volume for that system.

## 173E SYSTEM name REQUIRES DASD vaddr

Explanation: The system name that has been specified with a SAVESYS or IPL command requires that the virtual machine be using a direct access storage device with the specified virtual address.

User Action: In the virtual machine configuration, define the required DASD address. Then reissue the command, specifying the correct system name.

## 174E PAGING I/O ERROR; IPL FAILED

Explanation: An I/O error occurred while attempting to read a page from a direct access storage device.

User Action: Reissue the IPL command. If the failure persists, notify the system operator.

## 175E {FAVORED|RESERVED|NETWORK TRACE} ALREADY IN USE BY userid

Explanation: The FAVORED or RESERVED option specified in the SET command, or the NETWORK TRACE facilities specified in the NETWORK command, cannot be applied to the specified user because that function is already in use by the userid identified in the error message.

User Action: For DMKCFPS, turn off the FAVORED or RESERVED option for the user specified in the error message, and reissue the SET command specifying the new userid for the desired function.

For DMKNES, reissue the NETWORK TRACE command after the identified user has completed his tracing and has issued the command NETWORK TRACE END.

## 176E VIRT=REAL AREA IN USE BY userid

Explanation: The UNLOCK VIRT=REAL function could not be executed because the given userid is logged on and occupying the virtual=real area.

User Action: Request that the user log off, or force the user to log off, and then reissue the command specifying the virtual=real area.

## 177E PARM EXCEEDS 64 CHARACTERS

Explanation: There are more than 64 characters in the PARM field being passed to the virtual system by the IPL command.

User Action: Reissue the command with no more than 64 characters in the PARM field.

## 178E SYSTEM name EXCEEDS AVAILABLE DASD SPACE

Explanation: The amount of DASD space reserved by the NAMENCP macro is insufficient to contain both the 3704/3705 control program image and the system control information.

User Action: Increase the amount of DASD space reserved by the NAMENCP macro, and reissue the command. Verify that the extra pages required for the system control information were included when the DASD space was assigned.

## 179E SYSTEM name VOLID volid NOT CP OWNED

Explanation: The DASD volume specified by SYSVOL in the NAMENCP or NAMESYS macro is currently attached to the VM/370 system, but it is not a CP-owned volume, and therefore is not a valid residence volume for the saved system image.



- User Action: Ensure that the correct DASD volid was specified in the NAMENCP or NAMESYS macro in DMKSNT, and that the physical DASD volume mounted is the correct volume. Verify that the specified volid is included in the SYSOWN macro in DMKSYS, and reissue the SAVENCP diagnose or the SAVESYS command.
- 180W TRACE NOT IN EFFECT
- Explanation: The TRACE END function has been specified and the TRACE function was not in effect.
- User Action: This is a warning message for information only and no further action is required.
- 181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY
- Explanation: The virtual machine has issued the CP commands STORE, ADSTOP or TRACE and the address targeted by the command is referencing a shared named system page. The named shared system is released and a replacement of the named system is made with a nonshared copy.
- User Action: The virtual machine continues to run but is now running the shared named system in nonshared mode. The user should be aware that total system efficiency decreases as the number of users running with nonshared copies of a shared named system increases. When the user no longer needs his own copy of a nonshared system he should attempt to replace it with a shared copy. In most instances this would mean re-IPL of the shared named system.
- 182E (reserved for IBM use)
- 183E VM ASSIST NOT ACTIVE
- Explanation: A SET ASSIST ON or a SET ASSIST SVC was issued. However, the operator deactivated the assist feature for the whole machine.
- System Action: Execution of the command terminates.
- User Action: None.
- 184E VM ASSIST NOT AVAILABLE
- Explanation: A SET ASSIST or a SET SASSIST command was issued but the VM/370 hardware assist feature is not available on the CPU.
- System Action: Execution of the command terminates.
- User Action: None.
- 185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy
- Explanation: When VM/370 was loaded, VM/370 detected a mismatch between the hardware assist level and the software. Errors might result if the CP assist or the extended virtual machine assist feature were used.
- System Action: CP assist is set unavailable.
- User Action: Update the CPU or software support to an equivalent level.
- 186E CP ASSIST NOT AVAILABLE
- Explanation: A SET CPASSIST command was issued but Extended Control-Program Support is not available on the CPU, or there is a mismatch between the hardware assist level and the software.
- User Action: None.
- 187E TIMER ASSIST NOT AVAILABLE
- Explanation: A SET ASSIST TMR command was issued on a CPU that does not have VM/370 Extended Control-Program Support, or on a CPU on which virtual machine assist has been temporarily disabled by the operator.
- System Action: If the CPU does not have this support, no further action is taken. If the support is disabled, the bit VMFVTMR is set, so that if the support is enabled at a later time the timer assist will be used (provided the user has TIMER set ON or REAL and does not have TRACE EXT active).
- User Action: None.
- 200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}
- Explanation: The virtual=real (V=R) area is not available to the user logging on because another user (identified in the error message), or the system, already has that area. The user logging on is permitted to run as a virtual machine without the use of the virtual=real area.
- User Action: If the priority of the user logging on warrants the use of the V=R area, the user now occupying the area should log off. The user logging on can then get the virtual=real area by LOGOFF and LOGON or by simply issuing the DEFINE STORAGE nnnnnk command. However, if the area is in use by SYSTEM, the V=R area has been unlocked and will be unavailable for V=R use until VM/370 is reloaded.

## 201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES

Explanation: The virtual=real area is not available to the user logging on. Machine checks have occurred which identified damaged pages within the V=R area. The user logging on is permitted to run as a standard virtual machine without the use of the virtual=real area.

User Action: Notify the system operator that this message has occurred. The system operator can issue the UNLOCK VIRT=REAL command so that CP can use the area for paging, or he can issue the SHUTDOWN command to allow users with the virtual=real option to reclaim the area.

Note: System support personnel should be notified that machine check record(s) have been recorded that identify the system's hardware malfunction.

## 202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

Explanation: The virtual=real area is not available to the user logging on because:

- The virtual=real area was not generated at system generation time, or
- The virtual=real area is not large enough to contain the virtual machine size defined in the directory for the user logging on.

User Action: If the virtual=real area was not generated, no action can be taken. Otherwise, issue the DEFINE STORAGE command to redefine the virtual machine storage size equal to or smaller than the actual virtual=real size that was generated.

## 203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS

Explanation: A shared system or one that uses discontinuous saved segment cannot be loaded (via IPL) into a virtual machine running in the virtual=real area. This message is also issued if you issue a Diagnose code X'64' to attach a discontinuous shared segment to a virtual=real machine.

System Action: None.

User Action: Reissue the IPL command, specifying the address of the device on which a non-shared version of the system resides.

## 204E INVALID PAGE(S) SPECIFIED, V=R AREA

Explanation: The operator issued the UNLOCK command to unlock one or more specific pages in the V=R area. This is invalid since all V=R pages must be unlocked at the same time.

System Action: Execution of the command terminates with no pages unlocked.

User Action: Either (1) reissue the UNLOCK command with the VIRT=REAL option to unlock all V=R pages, or (2) specify pages not within the V=R area to be unlocked.

## 211E MONITOR TAPE IS ALREADY ACTIVE

Explanation: The MONITOR START TAPE command was issued while MONITOR data collection was already active.

System Action: Processing continues.

User Action: None required; the Monitor is already active.

## 212E MONITOR TAPE IS NOT ACTIVE

Explanation: The MONITOR STOP TAPE command was issued while MONITOR data collection was not active.

System Action: Processing continues.

User Action: None required.

## 213E MONITOR CPTRACE IS ALREADY ACTIVE

Explanation: The MONITOR START CPTRACE command was issued while the internal trace table was already active.

System Action: Processing continues.

User Action: None required.

## 214E MONITOR CPTRACE IS NOT ACTIVE

Explanation: The MONITOR STOP CPTRACE command was issued when the internal trace table was not active.

System Action: None.

User Action: None required.

## 215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY

Explanation: The MONITOR ENABLE command was issued with the DASTAP class when MONITOR data collection was active.

System Action: None.

User Action: The DASTAP class cannot be enabled dynamically. If the DASTAP class is required, stop the MONITOR, enable the DASTAP class, and then restart the MONITOR. Otherwise, reissue the command without the DASTAP class.

## 216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP

Explanation: The MONITOR ENABLE command was issued with the SYSPROF class, but without the SCHEDULE and DASTAP classes.

System Action: None.

User Action: Both the SCHEDULE and DASTAP classes must be specified with the SYSPROF class.

System Action: An attempt is made to write a tape mark. The tape is released and data collection stops.

Operator Action: If you are not the user who issued the MONITOR START command, consult with the person who did. The user will probably want to mount another tape. If so, reissue the MONITOR ENABLE and MONITOR START TAPE commands.

Routing: To primary system operator.

## 217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED

Explanation: A MONITOR START TAPE command was issued when no classes of data collection were enabled.

System Action: The data collection process is not started.

User Action: Issue the MONITOR ENABLE command specifying the desired class or classes, and then reissue the MONITOR START TAPE command.

## 230E IPL SIO ERROR

Explanation: The START I/O instruction for the initial IPL sequence to the specified device received an unexpected condition code, so the device could not be properly started for the IPL.

User Action: Verify that the device type is valid for an IPL simulation and that no unexpected status conditions exist in the device, and reissue the IPL command.

## 218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O

Explanation: A MONITOR STOP TAPE command was issued when the data collector was attempting to recover from an I/O error or was handling an end-of-tape condition.

System Action: The command is rejected; however, the MONITOR tape is stopped by the system because of either the tape I/O error or the end-of-tape condition.

User Action: None required.

## 231E IPL TIO ERROR

Explanation: The IPL simulator encountered an unexpected condition code when executing a TEST I/O instruction on the specified virtual device.

User Action: Verify that the device is valid for IPL operation and that no unexpected status conditions exist in the device, and reissue the IPL command.

## 219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM

Explanation: An end-of-tape condition has occurred on the MONITOR tape.

System Action: Two tape marks are written, the tape is rewound and unloaded, and the tape drive is released. Data collection stops and all classes are disabled.

Operator Action: If you are not the user who issued the MONITOR command, consult with the person who did. The user may want to mount another tape. If so, reissue the MONITOR ENABLE and MONITOR START TAPE commands.

Routing: To primary system operator.

## 232E IPL UNIT ERROR; CSW csw SNS sense

Explanation: During the IPL simulation process, the specified IPL device received an I/O interrupt with a unit check condition.

User Action: Examine the CSW and sense bytes to determine the possible cause of the simulation failure. If no equipment checks are present, reissue the IPL command to the specified device.

## 220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

Explanation: An uncorrectable I/O error has occurred on tape during data collection.

## 233E IPL OVERLAY ERROR

Explanation: The IPL simulator was about to perform a loading sequence that would have overlaid the simulator itself. In this particular case, the IPL simulator cannot function in the specified virtual machine at its current storage size.

User Action: Increase the size of the virtual machine so that the IPL simulator will load in an area where it will not be overlaid. Then reissue the IPL command.

## 234E IPL SENSE ERROR

Explanation: A unit check occurred on the IPL device. A SENSE operation was used to get the sense bytes and an unusual condition occurred.

User Action: Verify that the device is not malfunctioning and then reissue the IPL command for the required device.

## 300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE.

Explanation: One or more pages that were designated to be saved in the SYSPGM operand of the NAMESYS macro are beyond the size of the virtual machine used when the SAVESYS command was issued.

User Action: Check the numbers of the pages designated to be saved in the NAMESYS macro. If they are correct, increase the size of the virtual machine before reissuing the SAVESYS command.

## 310E DATE date INVALID; NOT CHANGED

Explanation: The system date in CP low storage contains invalid data and hence cannot be updated for the midnight date change. The invalid date indicates a possible software system failure since the date is automatically set by the system initialization routine.

System Action: The date in low storage is not changed; however, the day of the week is changed and the clocks are set to change the date at midnight in 24 hours.

Operator Action: Contact the system programmer at once. Careful use of the STCP command can correct the date set in storage. Notify IBM software support personnel of the problem and supply a dump of CP storage if possible.

## 350W DASD raddr SYSRES VOLID NOT valid

Explanation: The volume label on the pack mounted on drive raddr does not agree with the volume label specified during system generation.

System Action: The system enters a wait state (wait state code = 010).

User Action: Check the SYSRES macro in module DMKSYS to ensure that the disk address and volume label specified are valid.

Operator Action: Ensure that the correct volume is mounted on disk drive raddr and present an external interrupt to initiate a retry of the operation.

## 351W DASD raddr SYSRES NOT READY

Explanation: The disk drive specified by raddr is not ready. Disk raddr was specified as the SYSRES device in the SYSRES macro in module DMKSYS.

System Action: The system enters a wait state (wait state code = 010).

Operator Action: Make the device ready and present an external interrupt to initiate a retry of the operation.

## 352W FATAL DASD I/O ERROR

Explanation: The system nucleus cannot be written. Probable causes are:

- The disk pack is not formatted properly.
- The disk pack is defective.
- A disk hardware error has occurred.

System Action: The system enters a wait state (wait state code = 011).

Operator Action: Use the FORMAT program to reformat the pack. Attempt to do a new system load. If the trouble persists, try another pack on a different drive. If the trouble still persists, call IBM for hardware support.

## 353W SYSRES DEVICE TYPE INVALID

Explanation: The device type specified in the SYSRES macro in module DMKSYS is not valid for system residence.

System Action: The system enters a wait state (wait state code = 011).

GPR0	Contains address of device in error
GPR1-GPR2	Contains error CSW
GPR3	Base address for DMKSAV
GPR4	Address of first CCW
GPR5-GPR10	Up to 24 bytes of sense information
GPR13	Address of BBCCHHR
GPR14-GPR15	Contains BBCCHHR

User Action: Verify that the operands specified in the SYSRES macro in module DMKSYS define valid system residence device characteristics.

## 400I SYSTEM {TEMP SPACE|CHECKPOINT AREA} FULL

Explanation: All temporary disk space (TEMP SPACE) or checkpoint space (CHECKPOINT AREA) is in use.

System Action: If temporary disk space is full, the system attempts to continue but performance will be severely degraded.

If the checkpoint area is full, the system continues without checkpointing. This improves performance, but if the system abends, spool files are lost. Message DMKCKS919E is issued after DMKCKS400I.

Operator Action: Review system usage and take steps to reduce the system load. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog; if a reader backlog exists, users should be requested to read their files. In addition, you may be able to determine other spool files that can be selectively purged. Logging off inactive users will reduce temp space usage.

401I SYSTEM {TEMP SPACE|CHECKPOINT AREA} 90 PERCENT FULL

Explanation: Ninety percent of all temporary disk space (TEMP SPACE) or checkpoint space (CHECKPOINT AREA) is in use.

System Action: System operation continues.

Operator Action: Review system usage and take steps to reduce the system load. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog. If a reader backlog exists, users should be requested to read their files. In addition, you may be able to determine other spool files that can be selectively purged. Logging off inactive users will reduce space usage.

410W CP ENTERED; PAGING ERROR

Explanation: An I/O error occurred during paging. Probable hardware error.

System Action: System operation continues. The virtual machine enters CP command mode. If the virtual machine was running disconnected, it is logged off the system.

User Action: Reload the virtual system to continue. If the problem persists, notify the system operator.

415E CONTINUOUS PAGING ERRORS FROM DASD xxx

Explanation: Unrecoverable errors are being received from the paging device (xxx). This condition is caused by failure of either the paging volume or the paging device. This condition can occur if the paging volume has not been formatted properly.

System Action: The system enters a disabled wait state (wait state code = 00F).

Operator Action: Try to determine whether the errors are being caused by the paging device or by the paging volume. If the device is failing, disable it and re-IPL the system; call IBM for hardware support.

If the volume is failing, try reformatting it. If the error condition recurs, discontinue using that volume and call your system support personnel.

424E RDR FILE SPOOL ERROR; FILE UNCHANGED

Explanation: A paging I/O error occurred while reading or writing a spool file record on a CP spooling device, for the purpose of querying or updating TAG information associated with that spool file.

System Action: If the error was encountered while reading, no change has resulted from the user's previous TAG command. If the error was encountered while writing, the results are unpredictable.

User Action: Reissue the command. If the problem persists, regenerate the spool file that is in error or call your system support personnel.

425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR

Explanation: An unrecoverable input/output error has occurred on the card punch at real address cuu. Accounting data was saved.

System Action: The failing device is varied offline and system operation continues.

Operator Action: Vary the device cuu online and restart the punch. If the problem persists, contact IBM for hardware support.

426E RDR raddr SPOOL SPACE FULL; FILE PURGED

Explanation: System input spooling space on the reader at real device address raddr is full.

System Action: The reader file just read is purged and system operation continues.

Operator Action: Review system usage and take steps to reduce the system load. Inactive users should be logged off the system. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog. If a reader backlog exists, request that users read their files. In addition, you may be able to determine other spool files that can be selectively purged. After steps have been taken to reduce spool file usage, read the reader file again.

427I {CON|PRT|PUN} vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED

Explanation: System spooling space on the device at virtual device address vaddr is full. If the message refers to the

console, the console spool file has been closed. If it refers to the printer or punch, the printer or punch output file has been closed.

System Action: If the console spool file is closed, virtual console spooling stops. The virtual machine continues to execute but without console spooling.

If the printer or punch output file is closed, an intervention-required unit check condition is returned to the virtual machine, the virtual device is made not ready, and the system continues.

User Action: Inform the system operator. An attempt must be made to reduce the paging and spooling load on the system as soon as possible. When spool space is available, issue the SPOOL CONSOLE START command to resume console spooling, or issue the READY command to resume printer or punch spooling.

428E {PRT|PUN|RDR} raddr SPOOL ERROR; FILE {HELD|PURGED}

Explanation: A paging I/O error occurred on the device at real address raddr.

System Action: If the file that was being processed at the time the I/O error occurred is a printer or punch file, the file is put in HOLD status and system operation continues.

If the file is a reader file, it is purged.

Operator Action: If the file is a printer or punch file, try to print or punch it again when spooling activity on the printer or punch is low. The system operator must first take the file out of HOLD status.

If the file is a reader file, reload the file in the reader and retry.

If the problem persists, call your system support personnel.

429I {CON|PRT|PUN|RDR} vaddr SPOOL ERROR; FILE {HELD|PURGED}

Explanation: A paging I/O error occurred on the device at virtual address vaddr.

System Action: If it is a console spool file error, virtual console spooling stops. The virtual machine continues to execute but without console spooling.

If it is a printer or punch spool file error, a unit check condition is sent to the virtual machine to stop the write operation, the file is purged, and the virtual device is made not ready.

If it is a reader file spool error, a unit check condition is sent to the virtual machine to stop the read operation. The file is held. System operation then continues.

User Action: For a console file, issue a SPOOL CONSOLE START command and retry the output operation. After ten unsuccessful retries, the entire opened spool file will be purged.

For a printer or punch file, issue the READY command to the virtual device and retry the output operation.

For a reader file, try again to read the file.

In any case, if the problem persists, inform the system operator of the incident. The error is probably due to a hardware malfunction. The system operator may advise you to purge the file or may decide to turn the machine over to your system support personnel, depending on the impact of the problem.

430A {PRT|PUN} raddr FATAL I/O ERROR; NOW OFFLINE, FILE HELD

Explanation: An unrecoverable I/O error occurred on the printer or punch device at real address raddr.

System Action: The failing device is varied offline, the file being processed is put in hold status, and system operation continues.

Operator Action: Vary the device raddr online and restart. To process the file that failed, take the file out of hold status. If the problem persists, call your system support personnel.

431A RDR raddr ID CARD MISSING OR INVALID

Explanation: The card just read in the reader at real device address raddr was not a valid ID card. Two formats are acceptable:

- ID userid
- USERID userid

Separator or blank cards are accepted before an ID card; any other card preceding the ID card is invalid.

Operator Action:

- Run out the cards in reader raddr.
- Correct the ID card error.
- Make the reader ready with the corrected deck in the hopper.

432A RDR raddr ID CARD; 'userid' NOT IN CP DIRECTORY

Explanation: The 'userid' specified on an ID card in the reader at real device address raddr is not in the VM/370 directory.

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.
- Correct the ID card error if one is found.
- Make the reader ready with the corrected deck in the hopper.

If the ID card appears valid, check with the system programmer to determine why the userid does not exist in the VM/370 directory.

433A RDR raddr ID CARD; INVALID DATA - 'data'

Explanation: The class specified on the ID card in the reader at real device address raddr is incorrect or the name specified is invalid. The 'data' is the information in error on the ID card. If a class is specified, it must be one character, A through Z or 0 through 9. If no class is specified, the default is A. If a name is specified, it must be a 1- to 8-character filename and a 1- to 8-character filetype, or a 1- to 24-character data set name. The fields of the ID card are free form as follows:

ID userid.. CLASS n NAME filename filetype

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.
- Correct the ID card error.
- Make the reader ready with the corrected deck in the hopper.

434A RDR raddr FATAL I/O ERROR; FILE PURGED

Explanation: An unrecoverable I/O error was encountered on the reader at real device address raddr. The input file was purged.

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.
- Put the cards back in the hopper, making sure the first card is a valid ID card.
- Make the reader ready.

If the problem persists, call your system support personnel.

435E PAGING ERROR WRITING SAVED SYSTEM

Explanation: A paging error occurred while writing the system to be saved, or the 3704/3705 control program image to be saved, to a DASD volume.

System Action: Execution of the command terminates. The system or control program image is not saved.

User Action: Try the command again, since the situation that caused the error may have been temporary. If the problem recurs, check the DASD space allocated to receive the saved system or control program image. This space must be formatted with the CP format program (DMKFMT) and allocated as PERM space.

436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

Explanation: In processing the SAVESYS command, the system has detected that an I/O interrupt is pending.

System Action: If you enter YES, the SAVESYS command continues to save the system but the pending I/O interrupt(s) are lost. If you enter NO, SAVESYS processing terminates.

User Action: Enter YES or NO.

450W CP ENTERED; DISABLED WAIT PSW 'psw'

Explanation: The virtual machine has loaded a disabled wait PSW, identified by 'psw'.

System Action: System operation continues. The virtual machine enters console function mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Examine the PSW portion of the message. Ensure that the program running in the virtual machine has a valid LPSW halt. If not, determine why the PSW loaded was not masked for interrupts.

User Action: IPL the virtual system again to continue.

451W CP ENTERED; INVALID PSW 'psw'

Explanation: An attempt was made to load an invalid PSW, identified by 'psw'. Either an attempt was made to load an extended control (EC) mode PSW in a virtual machine that does not have the EC mode option; or, a PSW was loaded that had one or more invalid bits set (that is, one of the bits that must be zero was not zero).

System Action: System operation continues. The virtual machine enters console function mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Examine the PSW that caused the error, and determine why the PSW was considered invalid. Ensure that the directory entry for the user specifies the correct virtual machine description.

User Action: The user can display the PSW to see if it is valid, or issue QUERY SET to see if the EC mode option is present. IPL the virtual system again to continue.

## 452W CP ENTERED; EXTERNAL INTERRUPT LOOP

Explanation: The user's virtual machine external new PSW is enabled for an interrupt condition that will not be cleared upon acceptance. It is possible to receive an interrupt condition from the CPU Timer and the TOD Clock Comparator that will produce this loop.

System Action: System operation continues. The virtual machine enters CP command mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Determine why the external interrupt new PSW is enabled for an interrupt condition that will not be cleared upon acceptance (that is, the Timer is not expected to contain a negative value).

User Action: IPL the virtual system again to continue.

## 453W CP ENTERED; PROGRAM INTERRUPT LOOP

Explanation: A program interrupt occurred at the address specified in the virtual program new PSW while the virtual machine was in basic control mode.

System Action: System operation continues. The program interrupt is reflected to the virtual machine and the virtual machine enters console function mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Determine the cause of the program interrupt and ensure that the program new PSW is valid.

User Action: Restart the virtual system via the BEGIN command, or reissue the IPL command to continue.

## 454I {LINE addr|DEV rid} DISABLED

Explanation: The line or device has been disabled due to a permanent I/O error, or the operator issued a command that disabled the line.

System Action: System operation continues.

Operator Action: If the message was issued due to a permanent I/O error on the line, to reactivate the line issue the ENABLE or NETWORK command. You may have to issue the VARY ONLINE command for some device types before CP will accept the ENABLE command.

## 455I LINE addr CC=3 NOT OPERATIONAL

Explanation: Condition code 3 (NOT OPERATIONAL) was received when a START I/O was issued to line 'addr'.

System Action: System operation continues.

Operator Action: Verify that the terminal control unit or transmission control unit is enabled for use. If the control unit is properly enabled, but trouble persists, call your system support personnel.

## 456W CP ENTERED; name SHARED PAGE hexloc ALTERED

Explanation: The named system has been altered by the virtual machine. The hexloc is the first changed page detected by the control program. The shared named system that was operating in shared mode for this user will now become nonshared. No other users on the system are affected by this error.

User Action: The user may continue by entering the CP command BEGIN. The virtual machine is now operating in nonshared mode.

## 460E CTLR raddr {LOAD|DUMP} FAILED: PROGRAM CHECK

Explanation: During execution of the loader or dump bootstrap routines in the 3704/3705, a 3704/3705 program check occurred, setting the 'IPL Required' sense bit.

User Action: Reissue the command. If the error persists, notify the system programmer of a possible 3704/3705 problem.

## 461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE:

Explanation: A NETWORK LOAD command or a NETWORK DUMP command was issued for a 3704/3705 that was not in the 'IPL Required' state.

User Action: Reply YES to continue the load or dump process. Any other response will cause immediate command termination.

## 462I CTLR raddr UNIT CHECK; IPL REQUIRED

Explanation: The 3704 or 3705 at real address raddr has requested a dump or reload by presenting a unit check to the



host CPU, and the automatic dump and restart facility is currently off.

System Action: None.

Operator Action: If the 3704/3705 was active before the failure, issue the NETWORK DUMP command with the IMMED operand to obtain documentation of the failure. Use the NETWORK LOAD command to reload the 3704/3705 with an appropriate 3704/3705 control program. The CMS service program NCPDUMP should be used to print the dump file created by NETWORK DUMP.

463I CTLR raddr UNIT CHECK; RESTART IN PROGRESS

Explanation: The 3704/3705 at real address raddr has requested a dump or reload by presenting a unit check to the host CPU, and the automatic dump/restart facility has been initiated.

System Action: If the 3704/3705 was active before the failure, a dump is automatically taken. The 3704/3705 is reloaded (or loaded). Any previously enabled lines or resources are automatically reenabled.

Operator Action: Use the CMS service program NCPDUMP to format and print the 3704/3705 dump if one was created.

When a 3704/3705 Emulation Program is automatically reloaded after a 3704/3705 failure, the system may loop after the restart. The message:

DMKRNH463I CTLR 'raddr' UNIT CHECK;  
RESTART IN PROGRESS

and two responses:

CTLR xxx DUMP COMPLETE

CTLR xxx ncpname LOAD COMPLETE

indicate that the 3704/3705 has been reloaded. If the system loops after the second response, you must reset all emulator lines from the 3704/3705 control panel. The IBM 3704 Control Panel Guide, Order No. GA27-3086, and the IBM 3705 Control Panel Guide, Order No. GA27-3087, describe the procedure for resetting emulator lines from the 3704/3705 control panel.

464I CTLR raddr CC=3; DEPRESS 370X "LOAD" BUTTON

Explanation: The 3704 or 3705 at real address raddr has entered the "Hard Stop" condition, indicating a 3704/3705 hardware or software failure.

System Action: None.

Operator Action: Press the LOAD button on the 3704/3705 control panel. This permits execution of the normal VM/370 recovery mechanism.

465I LINE TRACE TERMINATED DUE TO ERROR

Explanation: A NETWORK TRACE command has been issued and errors have occurred during the trace process.

System Action: The trace is terminated.

User Action: Close the virtual printer to get the trace output. Retry the command if you need more information. If the failure recurs, call IBM for software support.

465W CTLR raddr EMULATOR LINES IN USE BY SYSTEM

Explanation: The operator dedicated the native address of a 3704/3705 running a PEP system, and one or more of the EP lines is in use by VM/370 got logon terminals. raddr is the real address of the 3704/3705.

System Action: The ATTACH command is completed; processing continues.

Operator Action: None is necessary. This message is a warning that the EP lines in use by VM/370 may be affected by the virtual machine to which the 3704/3705 was dedicated.

466I CTLR cuu IN BUFFER SLOWDOWN MODE

Explanation: This message is issued in addition to the response to a QUERY command if the 3704 or 3705 control program has entered buffer slowdown mode. Buffer slowdown mode is entered if the 3704/3705 control program has less than 12-1/2 percent of its buffers available, indicating a temporary overload.

System Action: Processing continues.

User Action: None is necessary; however, if this situation occurs frequently, the storage requirements of the 3704/3705 configuration should be reexamined.

469E CTLR raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE

Explanation: There was not enough temporary space available on the CP system packs to satisfy the spool space request for the 3704/3705 dump processor.

User Action: Ensure that enough temporary CP spool space is available and reissue the DUMP command.

470E CTLR raddr {LOAD|DUMP} FAILED: PAGING I/O ERROR

Explanation: An unrecoverable I/O error occurred while reading the page-format image of the 3704/3705 control program (LOAD), or while writing the dump spool file (DUMP) onto a system volume.

User Action: Notify the system programmer of a possible error on CP paging packs or DASD device. Reissue the command.

471E CTLR raddr {LOAD|DUMP} FAILED:  
UNRECOVERABLE I/O ERROR

Explanation: During execution of NETWORK LOAD or NETWORK DUMP, a unrecoverable I/O error occurred on the 3704/3705 channel adapter.

User Action: Reissue the command. If the error persists, notify the system programmer of a possible problem with the 3704/3705 control unit.

475I FATAL IO ERROR TRYING TO READ DIRECTORY

Explanation: The VM/370 directory currently in use by the system could not be read because of an unrecoverable input/output error.

System Action: The system tries to continue.

Operator Action: Try to rewrite the directory as soon as possible using the Directory program (DMKDIR). If the failure still exists after rewriting the directory, the area may have to be reformatted using the Format/Allocate program (DMKFMT).

The error recording area on SYSRES will contain information on the unrecoverable read errors.

If the problem persists after the directory has been reformatted and rewritten, call your system support personnel.

500I type 'addr' CMD REJECT CMD='cm' SNS='sense'  
CSW='csw' USERID='userid'  
[BCCCHH='bbcchh']

Explanation: An error recovery routine found an unrecoverable command reject I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
LINE	line
CONS,GRAF	terminal
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

- addr - the unit address of the failing device.
- sense - the sense bytes, in hexadecimal, for the error condition.
- cm - the command code, in hexadecimal, of the Channel Command Word (CCW) being executed when the error occurred.

- csw - the failing channel status word (CSW), in hexadecimal.
- bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: For all types except DASD, none. For DASD, if this message occurs during IPL from 3330, make sure the read/write switch on the drive is in the write position. If the message occurs after IPL, no action can be taken.

501A type 'addr' INT REQ [CMD='cm' SNS='sense'  
CSW='csw' USERID='userid' BCCCHH='bbcchh']

Explanation: An error recovery routine encountered an intervention-required condition on the device specified.

The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

- addr - the unit address of the failing device.
- sense - the sense bytes, in hexadecimal, for the error condition.
- cm - the command code, in hexadecimal, of the Channel Command word (CCW) being executed when the error occurred.
- csw - the failing channel status word (CSW), in hexadecimal.
- bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: For a line error condition, no action can be taken. For all other devices, take appropriate action to make the device ready.

If the printer or punch cannot be made ready, to retrieve the active file on the device do the following:

1. Use the FLUSH command to flush the device. (The FLUSH command will not issue a response.)
2. Use the DRAIN command to drain the device. The system will vary the device offline and requeue the file on the system printer or punch queue. The file will have a system hold status if the HOLD option was used on the FLUSH command.

501I {CONS|PRT|PUN|RDR} 'addr' INT REQ [CMD='cm'  
SNS='sense' CSW='csw' USERID='userid']

Explanation: The terminal error recovery routine (CONS), or the spooling error recovery routine (PRT, PUN, or RDR) found an unrecoverable intervention-required I/O error.

addr - the unit address of the failing device.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
sense - the sense bytes, in hexadecimal, for the error condition.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: For the console, none; for the reader, printer, or punch, take appropriate action to make the device ready.

502I type 'addr' BUSOUT CK CMD='cm' SNS='sense'  
CSW='csw' USERID='userid'  
[BBCCHH='bbcchh']

Explanation: An error recovery routine found an unrecoverable bus-out check I/O error.

The "type" in the message indicates which error recovery routine it was.

Type	Error Recovery Routine
DASD	disk
CONS,GRAF	terminal
LINE	line
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW), in hexadecimal.  
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: For CONS, DASD, GRAF, LINE, and TAPE, none. For RDR, purge the file and try to read it again. For printer or punch, take appropriate action to correct the problem. If the printer or punch is to be made ready, to retrieve the active file on the device do the following:

1. Use the FLUSH command to flush the device. (The FLUSH command will not issue a response.)
2. Use the DRAIN command to drain the device. The system will vary the device offline and requeue the file on the system printer or punch queue. The file will have a system hold status if the hold option was used on the FLUSH command.

If the problem persists, call your system support personnel.

503A {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'

Explanation: The spooling error recovery routine found an unrecoverable equipment check I/O error.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Take appropriate action to correct the problem. If the problem persists, call your system support personnel.

503I type 'addr' EQUIP CK CMD='cm' SNS='sense'  
CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: An error recovery routine found an unrecoverable equipment check I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
CONS,GRAF	terminal
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.  
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

504A {RDR|PRT} 'addr' DATA CK CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'

Explanation: The spooling error recovery routine found an unrecoverable data check I/O error.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Spool printer devices with Universal Character Set must have the Block Data Check set on.

Two procedures are available:

1. To continue - make the printer not ready and then ready.
2. To reload the UCS Buffer using the LOADBUF command, which sets the Block Data Check automatically - flush the printer with the HOLD option, make the printer not ready, and then ready. Vary the printer online, and load the buffer.

Note: On the 3211, make the printer not ready, press the cancel key, and make the printer ready. A 3211 data check could be caused by FCB.

504D {DASD|TAPE} 'addr' DATA CK CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'  
[BBCCHH='bbcchh']

Explanation: The disk error recovery routine (DASD) or tape error recovery routine (TAPE) found an unrecoverable data check I/O error.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.  
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel."

504I type 'addr' DATA CK CMD='cm' SNS='sense'  
CSW='CSW' USERID='userid' [BBCCHH='bbcchh']

Explanation: An error recovery routine found an unrecoverable data check I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
CONS,GRAF	terminal
LINE	line
DASD	disk
PRT,PUN,RDR	spooling

The other variables in the message are:

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.  
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None, or take appropriate action to correct the problem. If the problem persists, contact your system support personnel.

505A RDR 'addr' OVERRUN CK CMD='cm' SNS='sense'  
CSW='csw' USERID='userid'

Explanation: The spooling error recovery routine found an unrecoverable overrun check I/O error.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Take appropriate action to correct the problem. If the problem persists, contact your system support personnel.

505D {DASD|TAPE} 'addr' OVERRUN CK CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'  
[BBCCHH='bbcchh']

Explanation: The disk error recovery routine (DASD) or tape error recovery routine (TAPE) found an unrecoverable overrun check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

505I type 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: The disk error recovery routine found an unrecoverable overrun check I/O error. The "type" in the message indicates which error recovery routine it was.

Type	Error Recovery Routine
CONS	terminal
DASD	disk
LINE	line

The other variables in the message are:

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable track condition check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

507D DASD 'addr' SEEK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable seek check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

508I {DASD|PRT|PUN|RDR} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: The disk error recovery routine (DASD) or the spooling error recovery routine (PRT, PUN, or RDR) found an unrecoverable permanent error condition.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable track overrun check I/O error.

addr - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable data convert check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable compatibility check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable load point I/O error.

addr - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

513I {DASD|TAPE} 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: The disk error recovery routine (for DASD) or the tape error recovery routine (for TAPE) found an unrecoverable file protect I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable missing address marker I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

516I type 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: An error recovery routine encountered an error on a sense operation.

The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
DASD	disk
LINE	line
TAPE	tape

The other variables in the message are:

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine encountered an error that is considered an impossible condition and must be reported as such.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

517I {LINE|TAPE} 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery routine (for LINE) or the tape error recovery routine (for TAPE) encountered an error that is considered an impossible condition and must be reported as such.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

518I {DASD|TAPE} 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: While attempting recovery, the disk error recovery routine (for DASD) or the tape error recovery routine (for TAPE) encountered an error not associated with the original error. Error recovery cannot be continued.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

519I TAPE 'addr' PE BURST CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable phase encode burst I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

520A {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The spooling error recovery routine found an unrecoverable error condition.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.

cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csW - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Take appropriate action to correct the problem. If the problem persists, contact your system support personnel.

520I type 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csW' USERID='userid' [BBCCHH='bbcchh']

Explanation: An error recovery routine encountered an unrecoverable channel I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed.  
 csW - the failing channel status word (CSW) in hexadecimal.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

521I type 'addr' NO DEVICE CMD='CM' SNS='sense' CSW='csW' USERID='userid'

Explanation: An error recovery routine received a reported error from a device that is not in the system configuration. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
GRAF	terminal
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW)

being executed when the error occurred.  
 csW - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense' CSW='csW' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable erase check I/O error.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csW - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense' CSW='csW' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable control check on a tape.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
 csW - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

524I {RDR|PRT|PUN} 'addr' LOAD CHECK CMD='cm' SNS='sense' CSW='csW' USERID='userid'

Explanation: The spooling error recovery routine received an error when loading the UCS (universal character set) buffer.

addr - the unit address of the failing device.  
 sense - the sense bytes, in hexadecimal, for the error condition.  
 cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.



csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Retry the operation.

525I {GRAF|RDR|PRT|PUN} 'addr' FORMAT CK  
CMD='CM' SNS='sense' CSW='csw'  
USERID='userid'

Explanation: The terminal error recovery routine (for GRAF) or the spooling error recovery routine (for RDR, PRT, or PUN) encountered a format error on a write RCE (Read Column Eliminate) command.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Retry the operation.

527I {LINE|CONS} 'addr' LOST DATA CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery routine (for LINE) or the terminal error recovery routine (for CONS) found an unrecoverable lost data I/O error.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

528I {LINE|CONS} 'addr' TIMEOUT CMD='cm'  
SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery routine (for LINE) or the terminal error recovery routine (for CONS) has determined that problems exist on communication lines causing a timeout condition.

addr - the unit address of the failing device.  
sense - the sense bytes, in hexadecimal, for the error condition.

cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

529I {GRAF|RDR|PRT|PUN} 'addr' PARITY CK  
CMD='cm' SNS='sense' CSW='csw'  
USERID='userid'

Explanation: The terminal error recovery routine (for GRAF) or the spooling error recovery routine (for RDR, PRT, or PUN) found an unrecoverable parity check I/O error.

addr - the unit address of the failing device.  
cm - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.  
sense - the sense bytes, in hexadecimal, for the error condition.  
csw - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

550E {I/O|MCH} ERROR RECORDING AREA 90 PERCENT FULL; RUN CPEREPE

Explanation: The error recording cylinder specified in the message is 90 percent full. This message is a warning to prevent loss of error records.

System Action: System operation continues.

Operator Action: Run the CPEREPE program to print the records on the affected cylinder, and then clear the cylinder. Save the printed output for your system support personnel.

551E {I/O|MCH} ERROR RECORDING AREA FULL; RUN CPEREPE

Explanation: The error recording cylinder specified in the message is full. Further errors of that type cannot be recorded.

System Action: System operation continues, but no I/O errors, or machine check and channel check errors, are recorded.

Operator Action: Run the CPEREPE program to print the error records that are on the error recording cylinder that is full, and then clear the cylinder. Save the printed output for your system support personnel.

## 552I FORMATTING {I/O|MCH} ERROR RECORDING AREA

Explanation: The recording cylinder specified in the message is not in the proper format. The cylinder is rewritten in the correct CP format at this time. This should only occur at the first IPL of a new system with a new error recording cylinder. If this message appears at other times, it is probably due to a hardware error.

System Action: System operation continues.

Operator Action: If you did not expect this formatting to take place, ensure that the allocation of the system volume does not overlap cylinders and then call your system support personnel.

## 553I {I/O|MCH} ERROR RECORDING AREA CLEARED; USER 'userid'

Explanation: DMKIOG has been invoked by user 'userid' to clear the error recording area specified in the message. Error recording on that cylinder is reenabled.

System Action: System operation continues.

Operator Action: None.

## 558I FATAL I/O ERROR; ERROR RECORDING DISABLED

Explanation: Unrecoverable input/output errors were encountered while trying to read or write on the error recording cylinders at system initialization time. Error recording has been disabled. Probable hardware error.

System Action: System operation continues but error recording is not being done.

Operator Action: System operation without error recording is not recommended. Whenever possible, try to restart the system, with the system disk on another drive. If the problem persists, call your system support personnel.

## 575I I/O ERROR ADD=raddr, USERID=userid

Explanation: The VM/370 error recording interface has determined that a permanent or temporary I/O error has occurred on a virtual machine. This message also appears when VM/370 error routines are invoked for recording counter and buffer overflow statistics for various devices, for recording demounts, and for recording general statistical data.

System Action: System operation continues.

Operator Action: Run CPEREP to document the error. If the problem persists, call your system support personnel.

## 601I CHANNEL CONTROL CHECK DEV xxx ; USER 'userid'

Explanation: A channel control check occurred on the channel specified by device xxx, where:

xxx - Channel, control unit, and device address of the failing unit.

System Action: System operation continues.

Operator Action: Probable hardware error. If the problem persists, call your system support personnel.

## 602I INTERFACE CONTROL CHECK DEV xxx; USER 'userid'

Explanation: An interface control check occurred on channel specified in device xxx, where:

xxx - Channel, control unit, and device address of the failing unit.

System Action: System operation continues.

Operator Action: Probable hardware error. If the problem persists, call your system support personnel.

## 603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM

Explanation: A channel check condition occurred from which the channel check handler could not recover.

System Action: The system enters a wait state (wait state code = 002).

Operator Action: Probable hardware error. Run the SEREP program to document the error condition before restarting the system. If the problem persists, call your system support personnel.

To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

## 604I CHANNEL ERROR DEV XXX; USER userid MACHINE RESET

Explanation: An uncorrectable channel error check occurred while the specified user was executing. The user's virtual system has been reset.

xxx - Address of the failing device.  
userid - Userid of the reset machine.

System Action: System operation continues.

Operator Action: Probable hardware error. If the problem persists, run CPEREP and have the output available before contacting your system support personnel.

612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP

Explanation: An error has occurred in the timing facilities. Probable hardware error.

605I CHANNEL CHECK RECORDING FAILURE

Explanation: This message appears:

- When an unrecoverable I/O error is encountered while recording on the error recording cylinder, or
- When the channel check recording cylinder is full.

System Action: System operation continues.

Operator Action: Run the CPEREP program to write out the error records and clear the channel recording cylinder. If the error recurs, contact your system support personnel.

System Action: The system enters a disabled wait state (wait state code = 001).

Operator Action: Run the SEREP program to document the error. Restart the system. If the problem recurs, contact your system support personnel.

613I SOFT MACHINE CHECK RECORDING DISABLED

Explanation: The error reporting interrupt mechanism for soft machine checks has been disabled.

System Action: System operation continues.

Operator Action: None.

606I CHANNEL ERROR; OPERATION TERMINATED

Explanation: The user has encountered a channel check error and the user's virtual machine has been reset. The user must then re-initialize the system to continue operation.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

614I MACHINE CHECK; DAMAGED PAGE NOW DELETED

Explanation: The machine check handler has deleted a page of storage as a result of storage data failures. Probable hardware error.

System Action: System operation continues.

Operator Action: The system operator should note that the system is operating with 4K bytes less storage each time this message appears.

If the problem recurs, run the CPEREP program to document the error, then contact your system support personnel.

610I MACHINE CHECK SUPERVISOR DAMAGE

Explanation: The machine check handler has encountered an unrecoverable error within the CP control program.

System Action: The system is automatically re-IPLed.

Operator Action: Probable hardware error. Run the CPEREP program and save the output for your system support personnel.

615I MACHINE CHECK RECORDING FAILURE

Explanation: This message appears:

- If an unrecoverable I/O error is encountered while recording on the error recording cylinder, or
- When the machine check recording cylinder is full.

System Action: System operation continues.

Operator Action: Run the CPEREP program to print the error records and clear the MCH recording cylinder. If the error recurs, contact your system support personnel.

611I MACHINE CHECK SYSTEM INTEGRITY LOST

Explanation: The machine check handler has encountered an error that cannot be diagnosed because of an invalid machine check old PSW or invalid machine check interrupt code (MCIC). The integrity of the system at this point is not reliable.

System Action: The system is automatically re-IPLed.

Operator Action: Probable hardware error. Run CPEREP program and save the output for your system support personnel.

616I MACHINE CHECK; USER userid TERMINATED

Explanation: The user identified by userid has encountered a machine check error and the user's virtual machine has been reset. Probable hardware error.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Describe the proper DASD device with the INPUT control statement. If the proper input device is defined, use the ALL operand or the explicit cylinder operand for the DUMP or COPY function.

617I MACHINE CHECK; BUFFER OR DLAT DAMAGE

Explanation: The Machine Check Handler has encountered a buffer storage or DLAT partially disabled.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

701E INVALID OPERAND - operand

Explanation: The specified operand is invalid.

System Action: If the input is from cards or a CMS file, the card image is printed above the message, and the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Correct the operand and resubmit the job.

618I {INSTRUCTION RETRY|MAIN STORAGE} NOW IN {RECORD|QUIET} MODE

Explanation: The SET MODE command has placed the processor in the mode that is specified.

System Action: System operation continues.

Operator Action: None.

702E CONTROL STATEMENT SEQUENCE ERROR

Explanation: The control statement is not in the proper sequence.

System Action: If the input is from cards or a CMS file, the card image is displayed above the error message. The program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console. Note that all DUMP, RESTORE, or COPY statements must be delimited by an INPUT or an OUTPUT control statement. When multiple, explicit cylinder extents are defined, the DUMP, COPY, and RESTORE statements must not be intermixed.

User Action: Place the control statements in the proper sequence, or correct the error, and resubmit the job.

619I MACHINE CHECK; OPERATION TERMINATED

Explanation: The user has encountered a machine check error and the user's virtual machine had been reset or terminated. If the virtual machine was reset, the user must re-initialize the system to commence operation. If the virtual machine was terminated, he must log on again to commence operation.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

703E OPERAND MISSING

Explanation: The above control statement contains insufficient information.

System Action: If the input is from cards or a CMS file, the card image is displayed before the message. The program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Provide the missing operand and resubmit the job.

700E INPUT UNIT IS NOT A CPVOL

Explanation: The CPVOL operand was specified for a DUMP or COPY statement, but the last INPUT control statement did not describe a device that had been initialized with the VM/370 Format/Allocate program.

704E DEV cuu NOT OPERATIONAL

Explanation: cuu is the device address of the unit that is not operational.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next statement is solicited from the console.

User Action: Either attach the proper device to your system or redefine the device in error. In either case, the function control statement must be reentered.

705E IO ERROR cuu CSW csw SENSE sense INPUT bbcchh OUTPUT bbcchh CCW ccw

Explanation: An unrecoverable I/O error has been detected on the input or the output device, where:

ccu - the unit address of the device in error.  
 sense - the sense bytes, in hexadecimal, describing the error.  
 csw - channel status word from the error.  
 bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred on the input or output cylinder.  
 ccw - the channel command word from the error.

System Action: The job step is terminated. If the output device is tape, an attempt is made to write a trailer label closing the output device. A cylinder map is printed describing all valid data that was dumped, restored, or copied to the point of error.

Note: This may be a valid condition if a virtual user attempts to dump, restore, or copy past the cylinder extents of the minidisk with which he is working.

User Action: Determine whether or not the error was valid. If it was not valid, resubmit the job. If the error persists, call IBM for hardware support.

705I I/O ERROR RESID=resid STATUS=status LINE=addr

Explanation: For DMKRG, an unrecoverable I/O error has been detected on the remote display station or the remote printer.

resid - three bytes, in hexadecimal, of the real resource identifier.  
 status - two bytes, in hexadecimal, of status and sense data describing the error.  
 addr - the unit address of the line to which the remote station is attached.

System Action: System operation continues. The system operator is notified. The user receives 'NOT ACCEPTED' at the display terminal.

Operator Action: None.

706E LINE addr NOT ENABLED

Explanation: The command could not be executed because the line address specified was not enabled.

System Action: None.

User Action: Enable the line address and reissue the command.

707A DIAL FUNCTION NOT AVAILABLE

Explanation: The DIAL command cannot be issued from this station or terminal.

System Action: System operation continues.

User Action: None.

707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

Explanation: A hardware error has occurred while running in standalone mode.

System Action: The program loads a disabled wait state PSW after attempting to print the message.

User Action: Run the standalone SEREP program provided by the customer engineer to document the hardware error for further analysis of the problem. Attempt to rerun the job. If the error persists, call IBM for hardware support. In either case, all output should be saved to show to the service representative.

708E INVALID INPUT OR OUTPUT DEFINITION

Explanation: The INPUT and/or OUTPUT statement is not defined or is defined as the wrong device type. For example, the DUMP statement must have the input unit defined as a DASD device and the output unit defined as a tape device.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Redefine the input or output definition, or use the proper function control statement.

709E WRONG INPUT TAPE MOUNTED

Explanation: The tape is invalid for one of the following reasons:

- There is no volume header record on the tape.
- The volume header record cylinder identifier is higher than the cylinder being searched for.

- The volume header record time stamp is different from the preceding volume trailer label time stamp.

System Action: The system rewinds and unloads the tape; then it attempts to read the next tape's volume header record. If the wrong input tape is mounted, the system rewinds and unloads the tape, regardless of whether the REWIND, UNLOAD, or LEAVE option was specified in the INPUT control statement of the DASD Dump Restore program.

User Action: Mount the proper tape.

## 710A DEV cuu INTERVENTION REQUIRED

Explanation: cuu is the unit address of the device that has become not ready.

System Action: The program waits for the specified device to become ready.

User Action: Make the specified device ready.

## 711R VOLID READ IS volid2 [NOT volid1] DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:

Explanation:

volid1 - The volume serial number from the input or output control statement; volid1 is displayed only if it was entered.

volid2 - The volume serial number from the VOL1 label on the DASD device specified by the control statement.

System Action: The system waits for a response.

If you respond "yes", the operation will continue.

If you respond "no", and the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next statement is solicited from the console.

If you respond "reread", the volume specified will be read again.

Note: A new volume may have been mounted in the interim.

User Action: Respond "yes", "no", or "reread".

## 712E NUMBER OF EXTENTS EXCEEDS 20

Explanation: The DUMP or COPY control statement has explicitly defined more than 20 extents. Or, if CPVOL was specified, the input unit has more than 20 physical extents defined.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the DUMP ALL or COPY ALL statement, or perform the job specifying no more than 20 extents, and repeat DUMP or COPY if necessary to complete the task.

## 713E OVERLAPPING OR INVALID EXTENTS

Explanation: The DUMP, RESTORE, or COPY statement contains invalid or overlapping explicit cylinder extents.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Enter the proper cylinder extent information.

## 714E RECORD bbcchh NOT FOUND ON TAPE

Explanation: The given record was not found on the tape.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, of the missing track header record.

System Action: The job step is terminated. All data restored or copied to that point is valid. If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the COPY ALL or RESTORE ALL statement, or use the correct explicit cylinder operand.

## 715E LOCATION bbcchh IS A FLAGGED TRACK

Explanation: The DASD device has a flagged track.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, of the flagged track.

System Action: RC = 3. For the IBM 2314, 2319, and 2305, the job step continues; for the IBM 3330 and 3350, the job is terminated. All data dumped or copied to that point is valid. The input and output devices are closed, and a cylinder map of the data dumped or copied is printed.

For the IBM 2305, 2314, 2319, and 3340, flagged tracks are treated as any other track, that is, no attempt is made to

substitute the alternate track data when a defective primary track is read; tracks are not inspected to determine if they were previously flagged when written. It is therefore recommended that volumes dumped containing flagged tracks, be restored to the same volume. DMKDDR715E is displayed each time a defective track is dumped, copied, or restored, and the operation continues.

For the IBM 3330 and 3350, flagged tracks are automatically handled by the control unit and should never be detected by the program. However, if a flagged track is detected DMKDDR715E is displayed and the job step terminates.

User Action: Use the DUMP or COPY statements with the explicit cylinder operand to dump or copy around the flagged track.

716R NO VOL1 LABEL FOUND FOR volid DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:

Explanation: The program was unable to find a record with the key of VOL1 on cylinder 0 track 0 and was not able to read record 3 on cylinder 0 track 0 for the specified volume serial number (volid). The volume serial number is displayed only if specified in the INPUT or OUTPUT control statement.

System Action: The system waits for a response.

If you respond "yes", the system will continue with the job steps.

If you respond "no" and the input is from cards or a CMS file, the program will be terminated after scanning the remaining statements for syntax. Otherwise, the next statement will be solicited from the console.

If you respond "reread", the program will attempt to reread the specified device.

User Action: Respond to the message as indicated.

717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2. DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:

Explanation:

volid1 - The volume serial number of the input tape.  
volid2 - The volume serial number of the output DASD device that is to receive the data from volid1.

System Action: The system waits for a response.

If you respond "yes", the restore function will continue.

If you respond "no" and the input is from cards or a CMS file, the program will be terminated after scanning the remaining statement for syntax. Otherwise, the correct statement will be solicited from the console.

If you respond "reread", the input tape will be backspaced to the start of the file, and the volume header label will be reread.

User Action: If the wrong input tape is mounted, replace the tape and respond REREAD. Otherwise, respond in the appropriate manner.

718E OUTPUT UNIT IS FILE PROTECTED

Explanation: The output tape cannot be written on.

System Action: RC = 1

The program terminates. The tape device is rewound and unloaded; the system waits for the device to become ready. When the unit is ready, the system will write a volume header record on the tape, and the operation will continue.

User Action: Replace the file security ring in the tape reel, or mount the proper tape.

719E INVALID FILE NAME OR FILE NOT FOUND

Explanation: This message can appear only if DMKDDR is running under CMS. A filetype was not entered from the CMS command line, or the filename and filetype entered could not be found on the CMS files currently logged in.

User Action: Either omit all operands on the CMS command line, defaulting to console input, or enter the proper filename, filetype, and/or filemode for the CMS file containing the input control statements.

720E ERROR IN routine

Explanation: routine is the name of the CMS routine in error from the first eight characters of the CMS parameter list. The CMS return code generated by the error is returned in the following manner:

PRINTR--the CMS return code plus 100

WAITRD--the CMS return code plus 200

RDBUF--the CMS return code plus 300

TYPE or TYPLIN--the CMS return code plus 400

System Action: If the input is from cards or a CMS file, the program terminates after scanning the remaining statements for syntax. Otherwise, the program immediately terminates.

User Action: Correct the error as indicated by the return code, and resubmit the job.

## 721E RECORD cchhr NOT FOUND

Explanation: The record indicated by cchhr was not found.

cchhr - the address (cylinder, head, and record) of the record explicitly described by the PRINT or TYPE function.

System Action: The system terminates the PRINT or TYPE function in process and continues with the remaining job steps unaffected.

User Action: If the explicit record identifier is not known, print or type on a cylinder or track basis.

## 722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS

Explanation: The CP nucleus cannot be restored or copied for one of the following reasons:

- The output volume was not formatted using the Format/Allocate program.
- The volid of the original nucleus volume is different from the volid of the new nucleus volume.
- The cylinders on which the nucleus will reside are not allocated as permanent space in the allocation record on the input device.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the Format/Allocate program to prepare the output disk as indicated above, and resubmit the job.

## 723E NO VALID CP NUCLEUS ON THE INPUT UNIT

Explanation: If the input unit is tape, then the tape does not contain a DDR nucleus dump. If the input unit is disk, then a CP nucleus was never loaded onto that disk.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Mount the proper input unit and resubmit the job.

## 724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP

Explanation: The user is attempting to restore a tape dump using the NUCLEUS parameter by specifying ALL or explicit cylinder extent parameters.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the RESTORE NUCLEUS statement or mount the proper tape.

## 725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE. DO YOU WISH TO CONTINUE? RESPOND YES OR NO:

Explanation:  
RESTORE FUNCTION--The number of cylinders on the original DASD input unit is compared with the number of cylinders on the output device.

COPY FUNCTION--The input device contains more cylinders than the output device.

Operator Action: Determine if the copy or restore function is to continue; respond either yes or no.

## 730E DEV cuu NOT OPERATIONAL

Explanation: The device at address cuu is not operational.

System Action: If the input is from cards, the card in error is printed and the job step terminates. If it is console input, the proper device address is requested from the user.

User Action: Either attach the proper device to the system, or specify the proper device in the control statement.

## 732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

Explanation: A machine check hardware error has occurred.

System Action: The program loads a disabled wait state PSW after attempting to print the message.

User Action: Run the standalone SEREP program to document the hardware error so that further analysis can be done. Then attempt to rerun the job. If the error persists, save all output and notify your system support personnel.



## 733E VOLID READ IS valid1 NOT valid2

Explanation: The wrong volume is mounted on the device described by the ALLOCATE control statement.

valid1 - the volume serial number as read from the DASD device.  
valid2 - the volume serial number from the ALLOCATE control statement.

Note: If valid1 = "none", no record 3 was found on cylinder 0, track 0.

System Action: If the input is from cards, the card in error is printed and the job step is terminated. If it is console input, the proper volume serial number is requested from the user.

User Action: Correct the ALLOCATE control statement or mount the proper volume on the device described by the ALLOCATE control statement. If "none" was given for valid1, the pack must be formatted.

## 734E TYPE OR CYL INVALID

Explanation: While attempting to allocate cylinder extents, an invalid control statement was encountered or an invalid cylinder extent was specified. An invalid extent is any extent with a starting cylinder location greater than the ending cylinder location or greater than the maximum number of cylinders for that device type. The valid control statements are TEMP, PERM, TDSK, DRCT, or END.

System Action: If the input is from cards, the card in error is printed and the job step terminated. If it is console input, the proper control statement is requested from the user.

User Action: Correct the control statement or extent information and resubmit the statement. It should be noted that the allocation data will overlay the existing data within the allocation record. Therefore, overlapping extents are valid and any errors may be corrected by resubmitting the proper extents. If the END control statement immediately follows the ALLOCATE statement, the allocation table will be printed without any alterations.

## 735E FATAL DASD IO ERROR

Explanation: An unrecoverable error has been encountered on the DASD device being formatted.

System Action: The job step is terminated immediately and the next control statement is read.

User Action: Check message DNKFMT736E displayed just prior to this message to determine the extent and type of failure.

## 736E IO ERROR cuu CCHHR = cchhr SENSE = sense

Explanation: An I/O error has been detected.

cuu - The unit address of the device in error.  
cchhr - The cylinder, head, and record identification of the record in error.  
sense - the sense bytes, in hexadecimal, describing the error condition.

System Action: The job step is terminated and the next control statement is read.

User Action: Resubmit the job. If the error persists, call your system support personnel.

## 737E INVALID OPERAND

Explanation: An operand is in error; it can be seen in the card image displayed following the message.

System Action: A card image containing the error is printed following the message, and the job step is terminated.

User Action: Correct the invalid operand in the control statement and resubmit the job.

## 738A DEV cuu INTERVENTION REQUIRED

Explanation: Intervention is required on the device at address cuu.

System Action: The system waits for an interrupt from the card reader or console. When an interrupt is received from either the card reader or the console, that unit is solicited for the next control statement.

User Action: Correct the error as indicated on the card reader and make the device ready, or switch to console input by signaling attention.

## 751E INVALID OPERAND - xxxxxx

Explanation: The specified operand is invalid.

System Action: The card image is displayed above the message, and the program is terminated after scanning the remaining statements for syntax.

User Action: Correct the invalid operand in the control statement and resubmit the job.

## 752E STATEMENT SEQUENCE ERROR FOLLOWING USER user

Explanation: A USER definition control statement was determined to be out of sequence following the specified user.

System Action: The statement that is out of sequence is displayed after this message. Directory processing is terminated after the remaining statements are scanned for syntax.

Note: The USER control statement delimits each virtual machine directory description. Therefore, the USER statement must follow the last device description statement, and each OPTION, ACCOUNT, or IPL statement must fall between the USER statement and the first statement describing a device.

With the exception of dummy (NOLOG) users, all users in the directory must have at least one device.

User Action: Place the control statements in the proper sequence or correct the error, and resubmit the job.

## 753E OPERAND MISSING

Explanation: Insufficient information is contained in the control statement.

System Action: The card image is displayed above the error message. The program is terminated after scanning the remaining statements for syntax.

User Action: Provide the missing operand in the control statement and resubmit the job.

## 754E DEV cuu NOT OPERATIONAL

Explanation: The device at address cuu is not operational.

System Action: The program is terminated after scanning the remaining statements for syntax.

User Action: Either attach the proper device to the system, or specify the proper device in the DIRECTORY control statement.

## 755E IO ERROR cuu CSW csw SENSE sense

Explanation: An I/O error has been detected.

cuu - the unit address of the device in error.  
 csw - the channel status word from the error.  
 sense - the sense bytes, in hexadecimal, describing the error condition.

System Action: If the error is from the card reader, the program waits for the reader to become ready again. If the error is from the DIRECTORY volume, the program no longer attempts to write on that volume. In either case, the program attempts to scan the remaining cards for syntax and then is terminated.

User Action: Resubmit the job. If the error persists, call your system support personnel.

## 756E PROGRAM CHECK PSW = psw

Explanation: A program check has occurred in the program, where psw is the program check old PSW.

System Action: The program goes into a disabled wait state after attempting to display the message.

User Action: Take a standalone dump, and call your system support personnel.

## 757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

Explanation: A hardware error has occurred while running in standalone mode.

System Action: The program loads a disabled wait state PSW after attempting to print the message.

User Action: Run the standalone SEREP program to document the hardware error, so further analysis can be done. Then attempt to rerun the job. If the error persists, save all output and call your system support personnel.

## 758E DUPLICATE UNIT DEFINITION

Explanation: The control statement is defining a device with a device address that was previously defined for the same user.

System Action: The card image is displayed above the message. The program is terminated after scanning the remaining statements for syntax. Note that checking for duplicate devices may be suspended for an individual user after the first 90 device control statements.

User Action: Remove or correct the duplicate definition, and resubmit the job.

## 760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY

Explanation: There is insufficient space on the directory volume to continue building the directory.

System Action: The program is terminated after scanning the remaining statements for syntax. Writing is suspended on the directory device, and this message is issued once for each additional cylinder of space needed by the directory program.

User Action: Using the VM/370 Format/Allocate program, allocate more space on the directory volume. Note that the Directory program always starts building a new directory on a fresh cylinder and will not overlay an existing directory written on the directory volume. After the directory is successfully updated, the cylinders used by the old directory are marked as available for use by the next directory to be created.

## 761E VOLID READ IS volid1 NOT volid2

Explanation: The wrong volume is mounted on the device described by the DIRECTORY control statement.

volid1 - the volume serial number from the directory volume.

volid2 - the volume serial number described by the DIRECTORY statement.

System Action: The program is terminated after scanning the remaining statements for syntax.

User Action: Correct the DIRECTORY control statement, or mount the proper volume on the device described by the DIRECTORY control statement.

## 762E DIRECTORY STATEMENT MISSING

Explanation: The first control statement detected by the program was not a DIRECTORY control statement.

System Action: The program is terminated after scanning the remaining statements for syntax.

User Action: Place the DIRECTORY statements in front of the other control statements, and resubmit the job.

## 763E INVALID FILENAME OR FILE NOT FOUND

Explanation: This message appears only if running under CMS. The filename and/or filetype and/or filemode specified on the CMS command line could not be found on the CMS files currently logged in. The default filename, filetype, and/or filemode is USER DIRECT \*.

System Action: RC = 1  
Execution terminates.

User Action: Reenter the CMS command line; describe the proper CMS file containing the DIRECTORY control statements.

## 764E ERROR IN routine

Explanation: routine is the name of the CMS routine in error from the first eight characters of the CMS parameter list. The CMS return code generated by the error is returned in the following manner:

RDBUF - the CMS return code plus 100.  
TYPLIN - the CMS return code plus 200.

System Action: The program is terminated after scanning the remaining statements for syntax.

User Action: Correct the error as indicated by the CMS return code, and resubmit the job.

## 825I INVALID OPERAND operand

Explanation: An invalid operand appeared in a CPEREPEP request.

System Action: System operation continues. The CPEREPEP program returns control to CMS.

User Action: Reissue the CPEREPEP command with proper operands. If manuals are not readily available, type "cperepep help". This command displays all valid CPEREPEP options that can be specified, and briefly describes them.

## 826I FILEDEF ERROR ON HISTORY TAPE DEF

Explanation: An error occurred while attempting to define the history and characteristics of a tape device.

System Action: System operation continues. The CPEREPEP program returns control to CMS.

User Action: Ensure that a tape drive is attached to your virtual machine at virtual address 181. Then reissue the CPEREPEP program. If the error persists, call your system support personnel.

## 827I FILEDEF ERROR ON PRINTER DEFINITION

Explanation: An error occurred while attempting to define the printer device.

System Action: System operation continues. The CPEREPEP program returns control to CMS.

User Action: Ensure that a printer is attached to the virtual machine or defined in the user's directory entry. Reissue the CPEREPEP program. If the error persists, call your system support personnel.

## 828I ERROR ON PAGE READ ON CECYL

Explanation: CPEREPEP encountered a permanent input/output error attempting to read a record from the error recording area. Probable hardware error.

DMK

System Action: System operation continues. CPEREP program returns control to CMS.

User Action: Try again to run the CPEREP program. If the error persists, call IBM for hardware support.

User Action: Reissue the command after taking action to bypass the I/O errors on the CMS disk being accessed.

853I NO DUMP FILES EXIST

829I FILEDEF ERROR ON TAPIN DEFINITION

Explanation: An error occurred while attempting to define the history and characteristics of a history tape input device.

System Action: System operation continues. The CPEREP program returns control to CMS.

User Action: Ensure that a tape drive is attached to your virtual machine at virtual address 182. Then reissue the CPEREP program. If the error persists, call your system support personnel.

Explanation: The VMFDUMP command was specified, and the return from the CP interface indicates that no dump files exist for this user.

User Action: Verify that the dump files produced by the CP system have the userid and the class required, and that this user's userid and class on the card reader match that of the dump, so that a dump file can be read. If no dump files exist, VMFDUMP does not have to be issued. If the dump file exists under a different userid, have the operator transfer that file to the required userid, so that it can be accessed. Also, verify that the input class of the spool card reader at 00C is class D, so that it can read the dump file.

850I UNABLE TO READ DUMP FROM READER

Explanation: The VMFDUMP command was unable to read the 3704/3705 dump or the system ABEND dump from the CP spool file through the CMS card reader. This could be because:

- The reader is not at address 00C,
- The reader at 00C is already in open status from a previous operation, or
- The device in the virtual machine at 00C is not a CP spool card reader device.

User Action: Verify that the virtual machine configuration is correct for performing a VMFDUMP operation and that the card reader at 00C is a spool card reader in closed status.

860I FATAL I/O ERROR READING DUMP

Explanation: During the reading of the dump from the CMS disk, an unrecoverable I/O error occurred. This message is preceded by a CMS message indicating the disk failure.

User Action: Take corrective action to bypass the I/O error. Then reissue the command requesting to print the dump previously loaded onto the disk.

861E DUMP FILE 'filename' NOT FOUND

Explanation: The command was specified requesting a printout of a specific dump file, and that file could not be found on the CMS disks that were currently accessed.

User Action: Verify that the correct dump file was specified and that the correct disks are accessed by CMS. Then reissue the command, requesting the specified dump file.

851I TEN DUMP FILES ALREADY EXIST

Explanation: The command has not been executed because ten dump files with names DUMPO0 through DUMPO9 already exist on the CMS disk being accessed.

User Action: Purge one or more of the unwanted dump files or rename any of the existing dump files using the CMS RENAME command, and reissue the command so that a dump file can be automatically created.

863E INVALID PARAMETER - parameter

Explanation: The command was specified with a list of options, one of which is not recognized by the command.

System Action: The command is not executed.

User Action: Reissue the command; specify only valid options as defined in the command syntax.

852I FATAL I/O ERROR WRITING DUMP

Explanation: An unrecoverable I/O error occurred during the writing of the 3704/3705 dump or the system ABEND dump on the CMS disk being accessed. The message is preceded by CMS error messages for the disk function.

864I PAGE REFERENCED NOT AVAILABLE WHILE EDITING  
xxxxxxx

Explanation: During the format dump phase of the VMFDUMP command, a page was referenced in one of the CP control blocks (identified by "xxxxxxx"), and that page is not available because it is beyond the range of the CP nucleus.

System Action: VMFDUMP attempts to continue formatting at the next valid control block.

User Action: No action can be taken on the part of the user to circumvent this problem since it usually indicates CP system software failures that cause the addressing of unreferenced pages.

900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK

Explanation: The system checkpoint routine encountered a program check while trying to checkpoint or warm start the system.

System Action: The system enters a disabled wait state (wait state code 007).

Note: The general registers, old program PSW, and the program interrupt code are restored to the values at the time of the program check, before entering the wait state.

Operator Action: This message usually indicates severe system problems with the spooling files, system accounting data, or other system data needed for warm start. It is usually impossible to continue system operation without performing a clear storage and a system CKPT start. If a system dump to printer or tape preceded this message, it should give the system programmer enough information to determine the cause of the failure and the resultant program check during system recovery. The first 12000 bytes (hex 3000) of storage contain the checkpoint module (DMKCKP), work area and a 4096-byte buffer used by checkpoint. This area should be dumped using a standalone dump. If a system dump to printer or tape did not precede this message, the complete storage should be dumped.

901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP

Explanation: During the system recovery checkpoint or warm start phase, a machine check occurred.

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: IPL the system to retry the checkpoint function. If the failure persists, it usually indicates hardware problems. Keep the SEREP output and call your local representative for assistance.

Notes:

1. If the failure occurred during the checkpoint phase (system shutdown, system crash or an IPL with an active system in storage), a CKPT start will be required if storage is cleared or overlaid.
2. If the failure occurred during an attempt to warm start, CKPT start, or FORCE start, the warm start data or the warm start cylinder(s) remains intact.

902W SYSTEM RECOVERY FAILURE; FATAL I/O  
ERROR-{NUCL CYL|WARM CYL}

Explanation: During the system checkpoint or warm start phase, an unrecoverable input/output error occurred on the system residence volume.

NUCL CYL The warm start phase had an I/O error on the system residence device trying to read module DMKSAV from one of the nucleus cylinders.

WARM CYL The checkpoint phase had an I/O error on the system residence device trying to read from or write to the warm start cylinder(s).

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: IPL the system to retry the checkpoint or warm start function. If this is unsuccessful, move the IPL volume, if possible, to another drive and retry the IPL. If the problem persists, dump the first 12000 bytes (hexadecimal 3000) of storage using a standalone dump.

Notify your system programmer to determine the proper nucleus or warm start cylinder(s), which were specified in module DMKSYS (SYSRES statement) at system generation time.

The nucleus or warm start cylinder(s) can be dumped to tape or printed to the system printer by using DDR (DASD Dump Restore program) with the DUMP or PRINT option. The output should be available before calling for hardware or program assistance.

The following storage locations contain information concerned with the fatal I/O error:

Hexadecimal Location	Contents
10	Sense data up to 24 bytes
40	Channel status word (8 bytes)
48	Channel address word (4 bytes)
808	Pointer to error message (4 bytes)
816	Cylinder address of the first nucleus cylinder (2 bytes)

Hexadecimal Location	Contents
818	Cylinder address of the last nucleus cylinder (2 bytes)
81C	BBCCHHR of the DMKSAV module on disk (7 bytes)
824	Current seek address BBCCHHR (7 bytes)
800-17FF	Checkpoint program (DMKCKP)
1800-3000	Checkpoint work area and 4096-byte buffer

Notes:

1. It may be necessary to format the cylinder in error using the Format service program.
2. If the nucleus cylinder(s) is reformatted, the CP nucleus will have to be restored to the system volume.
3. The status of the console can prevent the display of message DMKCKP960I and DMKCKP961W.

903W SYSTEM RECOVERY FAILURE; VOLID 'valid' ALLOCATION ERROR CYLINDER 'cylinder'

Explanation: During a system warm start or CKPT start phase, one of the warm start or CKPT start data records indicates allocation on a cylinder on a system-owned volume that either:

- Is not specified in the allocation table as belonging to the system temporary spool space allocation, or
- Is already marked as allocated.

The possible causes are:

- A change in the system-owned list. (New volumes must be added to the end of the SYSOWN list when you define the SYSOWN MACRO.)
- A change to the allocation record on a spooling volume from TEMP to PERM, TDSK or DRCT (Format/Allocate program).
- Duplicate labeled volume.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: You may IPL the system again to attempt another warm start or CKPT start. The start will not be able to complete if the allocation error is indeed due to a software failure. This message, however, could be issued if the volume identified as being a spooling volume is the wrong one. You should verify that all system spooling volumes are correctly mounted before attempting another warm start or CKPT start. If all else fails, force a CP ABEND dump to the printer by pressing the RESTART key. IPL the system again, specifying CKPT start.

904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA

Explanation: During a system warm start procedure, the warm start module encountered invalid warm start data from the warm start area on the system residence volume.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: This message indicates that severe problems have been encountered with the warm start information in the warm start area on the system residence volume. You may IPL the system again to retry operation. It is likely that a software failure has occurred and that retrying the operation will result in the same error. When this happens, the only alternative is to IPL the system and specify a CKPT start. If the problem persists, do the following:

- Force a CP ABEND dump to the printer by pressing the RESTART key.
- Print the contents of the warm start cylinders located on the system residence volume using the DASD Dump Restore program with the PRINT option.

Save this output and give it to the IBM program support representative to analyze.

905W SYSTEM DUMP FAILURE; PROGRAM CHECK

Explanation: During the system ABEND process, the dump routine encountered a program check.

System Action: The system enters a wait state.

Operator Action: The dump has failed, and you must IPL the system again after the ABEND dump and go through normal system initialization and warm start procedures.

906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP

Explanation: During the system ABEND dump procedure, a machine check occurred.

System Action: The system enters the wait state.

Operator Action: Run the SEREP program and keep the output before calling IBM for hardware support; reload the system and go through normal initialization and warm start procedures.

907W SYSTEM DUMP FAILURE; FATAL I/O ERROR

Explanation: During the system ABEND dump procedure, an unrecoverable I/O error occurred on the system residence volume that is holding the disk dump. The system dump is unable to continue.

**System Action:** The system enters the wait state.

**Operator Action:** No action can be taken at this point to recover the system dump data. You should reload the system, go through the normal initialization procedures, and perform a system warm start.

#### 908I SYSTEM FAILURE; CODE - code

**Explanation:** The CP system has encountered a severe software failure, which caused a system dump. (See "CP ABEND Codes" for a description of why a system dump has been caused.)

**System Action:** This message is immediately followed by a system ABEND dump to the dump device, and then automatic or normal restart procedures are initiated.

**Operator Action:** Save the failure code printed at the console, including the documentation of activity prior to the problems with system operation, and call IBM for software support.

#### 909W SYSTEM DUMP DEVICE; NOT-READY

**Explanation:** It is not possible to write on the system dump device because it is not in a ready state.

**System Action:** The system enters a wait state.

**Operator Action:** Make the system dump device ready; the dump operation will then continue.

#### 910W SYSTEM RECOVERY FAILURE: INVALID WARM START CYLINDER

**Explanation:** During a system checkpoint phase, the checkpoint module reads record one of first warm start cylinder and compares the eight-byte clock value written by the previous successful cold or warm start against the in-storage value saved in DMKRSPCV. If the values do not agree:

- The IPL volume is not the correct volume to checkpoint the in-storage system, or
- The warm start cylinder has been altered since the last cold or warm start, or
- The value located at DMKRSPCV in storage has been altered since the last cold or warm start, or
- The warm start cylinder address at DMKSYSWM has been altered since the last cold or warm start.

**System Action:** The system enters a disabled wait state (wait state code 007).

**Operator Action:** If more than one VM/370 system residence volume is mounted, make sure the correct volume is IPLed to checkpoint the in-storage system. If the problem persists, the following should be done:

- A dump of storage using a standalone dump.
- A printout of record one of the warm start cylinder of all VM/370 system residence volumes mounted (use the DDR PRINT function).
- To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

#### 911W SYSTEM RECOVERY FAILURE: WARM START AREA FULL

**Explanation:** During a system checkpoint phase, the warm start area could not contain all the warm start data.

**System Action:** The system enters a disabled wait state (wait state code 007).

**Operator Action:** This message usually indicates either:

1. A system problem with the spooling files, system accounting data, allocation records and other system data needed for the warm start area, or
2. An insufficient number of cylinders assigned for warm start (specified in the DMKWARM option of the SYSRES macro).

It is usually impossible to continue system operation without performing a clear storage and a system CKPT start. If a system dump to printer or tape preceded this message it should give the system programmer enough information to determine the cause of the failure and the resultant checkpoint failure. The first 12000 bytes (hexadecimal 3000) of storage contain the checkpoint module, work area, and a 4096-byte buffer used by checkpoint (DMKCKP). If the problem persists, call your system support personnel.

#### 912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED

**Explanation:** During the system warm start or CKPT start procedures, the warm start or CKPT start data indicates that spool files are allocated on a system volume and that volume is not mounted.

The possible causes are:

- Volume not mounted.
- Allocation record (record 4) missing or invalid.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: Mount the specified volume required for CP warm start or CKPT start procedures and IPL the system again. If this is unsuccessful, you may IPL the system again and specify a cold start. If the problem persists, do the following:

- Force a CP ABEND dump to the printer by pressing the RESTART key.
- Print the contents of the warm start or CKPT start cylinder(s) located on the system residence volume, using the DDR (DASD Dump Restore) program with the PRINT option. The address of the warm start cylinder(s) can be located by the system programmer in the SYSWRM operand of the SYSRES macro; the address of the CKPT start cylinder(s) is in the SYSCKP operand.

Save this output and call IBM for software support.

#### 915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER

Explanation: An I/O error has occurred while trying to read or write the checkpoint cylinder.

System Action:

1. If this occurs during a warm or CKPT start, the system issues message DMKCKS919E and enters a wait state with wait state code X'00E'.
2. If it occurs while the system is operating normally, dynamic checkpointing is terminated.

Operator Action:

1. If this is the first time you have IPLed this system, check the DMKRIO deck to make sure you have specified the proper device type for the VM/370 system residence volume.
2. If this is not the first IPL of this system, try IPLing the system again. If this fails, move the VM/370 SYSRES volume to another device and re-IPL. If this IPL fails, perform a cold start.
3. At this point, checkpointing has been terminated, so the system is running without a dynamic checkpoint capability. Quiesce the system and issue a normal SHUTDOWN command, then attempt a warm start. If the error persists, reformat the checkpoint cylinders with the FORMAT service program and try again to warm start. If this fails, a cold start is required.

#### 916E ERROR ALLOCATING SPOOL FILE BUFFERS

Explanation: In attempting to follow the chain of DASD buffers for a spool file, an

error was encountered in trying to read one of the buffers.

System Action:

1. If CKPT was specified, the system enters a disabled wait state, with wait state code X'00E'.
2. If FORCE was specified, the file on which the error occurred is deleted and the system continues to recover from the checkpoint cylinder.

Operator Action:

1. If the system enters the '00E' wait state, attempt an IPL with the FORCE option.
2. If FORCE was specified, no action is required, but you should note that at least one spool file was not recovered properly.

#### 917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START

Explanation: The CKPT cylinder contains no valid information for recovery.

System Action: The system enters a disabled wait state (wait state code 00E).

User Action: There is no valid checkpoint data and, if there is no warm start data, storage must be cleared and a cold start performed.

#### 919E CHECKPOINT CYLINDER INVALID; CHECKPOINTING TERMINATED

Explanation: The CKPT cylinder has been invalidated and checkpointing will no longer be performed. The reason should have appeared in a previous message.

System Action: Checkpointing cannot resume until the system is re-IPLed.

Operator Action: With knowledge that a subsequent CKPT start will fail, the operator should follow installation procedure in this matter. Probably, the safest procedure is to quiesce the system and perform a normal shutdown. Then, a subsequent warm start will reinitialize the CKPT cylinder so that checkpointing can resume. Note that continued system operation and a subsequent failure to shut down normally will make a cold start mandatory.

#### 920W NO WARM START DATA; CKPT START FOR RETRY

Explanation: The operator has specified a warm start and the warm start cylinder of the system residence volume has no warm start data. This message is usually issued when an IPL is performed on a brand new CP system for the first time, or when the last checkpoint was not successful.



System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: Try to re-IPL the system with the CKPT start option.

921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR

Explanation: During the system warm start phase, an unrecoverable input/output error occurred on the system residence device while the system was either trying to write record one of the first warm start cylinder or trying to read warm start information from the warm start area.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: IPL the system again to retry the warm start function. If this is unsuccessful, the IPL volume, if movable, could be moved to another drive and the IPL retried. (Warning: A volume should never be moved if it is visibly damaged; discontinue use of this volume and device and call IBM for hardware support.) If this second IPL is unsuccessful, you may IPL the system again and try a CKPT, FORCE or COLD start, in that order. The DMK DAS5xxI error message preceding this message gives the command op-code, device address, sense data and channel status word associated with this error. If the problem persists, force a CP dump to the printer by pressing the system console RESTART key. Save the output and call your system support personnel to determine whether the problem is hardware or software. Then call IBM for the appropriate support.

Note: The warm start cylinder(s) may have to be reformatted using the FORMAT service program to prevent unrecoverable I/O errors during the next system checkpoint.

922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA

Explanation: During the system checkpoint phase, the checkpoint module encountered an invalid spool allocation record in storage.

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: This message usually indicates severe system problems with the system spooling allocation records. It is usually impossible to continue system operation without performing a clear storage and a system CKPT start. If a system dump to printer or tape preceded this message, it should give the system programmer enough information to determine the cause of the failure and the resultant checkpoint failure. The first 12000 bytes (hexadecimal 3000) of storage contain the checkpoint module, work area and a 4096-byte buffer used by checkpoint (DMKCKP). This area should be dumped using standalone dump procedures.

If a system dump to printer or tape did not precede the message, the complete storage should be dumped.

950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED

Explanation: The automatic logon of the operator has failed. The reason for the failure is given in one of the logon failure messages that preceded this message.

System Action: The system enters a normal wait state while waiting for the operator to reply to the console and perform a normal logon.

Operator Action: Perform a normal logon as specified in the VM/370: Operator's Guide, entering the required password. The system can then resume normal operation.

951I CP VOLID volid NOT MOUNTED

Explanation: One of the volumes specified in the system-owned list is not mounted at system initialization time.

System Action: System processing continues.

Operator Action: No operator action is explicitly required at this time; however, you may have to mount and make ready specified system volumes later during system operation and attach them to the system for normal CP usage. This message usually indicates that a normally required volume for paging or spooling either is not formatted or is not available at IPL time. Make sure that all volumes are mounted and ready before loading the CP system. It may be necessary to bring the system to an orderly shutdown, remedy the situation, and IPL the system again, using normal initialization and warm start procedures.

952I nnnnnK SYSTEM STORAGE

Explanation: During the system IPL procedure, the system determined that the amount of real storage available is not the same as the amount of storage specified for the system at system generation time.

System Action: The system continues normal operation.

Operator Action: Determine that no unusual hardware reconfiguration has taken place, and bring the message to the attention of your system programmer so that he can verify that normal system operation is in effect. He should also verify that the RMSIZE operand, specified in the SYSCOR macro of the DMKSYS module during system generation, is correct. If it is not, regenerate the system with the correct storage size, so that this message will not be issued during normal operation of the system. If the RMSIZE operand is correct, real storage may have been damaged due to a

DMK

hardware problem; call IBM for hardware support.

953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP

Explanation: During the system IPL procedure, the CP system was unable to find enough contiguous disk space to hold a possible CP ABEND dump.

System Action: The system continues normal operation.

Operator Action: No action on the part of the operator is necessary. The system dump has been set to the default of the system printer. The operator may change the dump to another printer or tape drive but may not specify auto since it has not been allocated.

954E DASD raddr VOLID volid NOT MOUNTED;  
DUPLICATE OF DASD raddr

Explanation: During the system IPL procedure, duplicate volume IDs were identified on two DASD volumes. The message indicates that it was a duplicate of a previous volume label read on an earlier device.

System Action: The system continues normal operation.

Operator Action: Immediately verify that the correct volume is mounted as the one accepted on the specified device. If it is not, severe system errors could occur since CP may perform incorrect allocation on the volume specified. Immediately stop the system, bring it to an orderly shutdown, and remove the incorrect duplicate volume from the system. This message and the duplicate volumes usually occur after a system restart when users have attached and mounted on the system volumes with labels similar to those of other users or similar to the CP system volumes. This should be avoided wherever possible.

955W INSUFFICIENT STORAGE FOR VM/370

Explanation: The generated system is larger than the real machine size, or a hardware malfunction has occurred which inhibits VM/370 from using the necessary storage.

System Action: The system enters the wait state.

Operator Action: Take a standalone dump and notify the system programmer.

956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

Explanation: A DASD volume was swapped while in use by the system (CP owned or attached to the system), and the volid on the new volume is different from the volid of the previously mounted volume, or the volid could not be read.

System Action: The DASD device is made unavailable offline. Any I/O activity to the device results in a condition code of 3 being reflected to the caller.

Operator Action: Mount the desired volume and issue the CP command VARY with the ONLINE operand.

957I STOR sssssK, NUC nnnk, DYN ddddK, TRA tttk, FREE FFFFK, V=R vvvvK

Explanation: This message is issued at system initialization time by DMKCPI and provides a general map of VM/370.

STOR is the amount of storage being used.

NUC is the amount of storage being used by the VM/370 nucleus including real page 0.

DYN is the size of the VM dynamic paging area.

TRA is the size of the trace table.

FREE is the size of the fixed free storage area.

V=R is the size of the virtual=real area.

System Action: The system continues normal operation.

Operator Action: None. This message is for information purposes only.

960I SYSTEM WARM START DATA SAVED

Explanation: For DMKCKP, this message indicates that the warm start data has been successfully saved on the system residence volume and is ready for a system warm start. For DMKCPI, this message indicates that since warm start has not been performed, the warm start information on the warm start cylinder from previous shutdown is still valid.

This message is immediately followed by message DMKCKP961W.

System Action: The system enters the wait state after issuing message DMKCKP961W.

Operator Action: None. This message is for information purposes only.

961W SYSTEM SHUTDOWN COMPLETE

Explanation: The system has been brought to a successful orderly shutdown.

System Action: The system enters the wait state.

Operator Action: No explicit action is necessary. You may now or at a later time reload for reinitialization of the CP system. You should normally specify a warm start; however, if errors are encountered in the warm start procedure, a cold start must be issued.

CONVERSATIONAL MONITOR SYSTEM (CMS) MESSAGES

## 001E NO FILENAME SPECIFIED

Explanation: The command requires that you specify at least one filename.

With the EXEC command, you must specify the name of the EXEC file.

With the MACLIB command, you must specify at least one filename in addition to the library name.

With the ZAP command, if you specify a LOADLIB or TXTLIB file you must specify one to three library names.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command and specify the filename(s) or library name(s).

For a DMSROS TEXT file, ensure that the file is accessible and reissue the command.

## 002I FILE 'fn' TXTLIB NOT FOUND

Explanation: The specified TXTLIB file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification was misspelled, or insufficient identification was provided to cause the proper disk to be searched.

This message will also occur in the following situation: a user issues a GLOBAL command for a TXTLIB and then subsequently erases or renames the TXTLIB or releases the disk on which it resides. He then enters the command SET SYSNAME CMSSEG specifying a nonexistent name. Since CMSSEG is not found, DMSSVT is loaded into user storage and the loader issues DMSLIO002I.

System Action: RC = 0  
Execution of the command continues.

User Action: If 'fn TXTLIB' is required for command execution, make sure that it exists and is on a disk that is accessed. Otherwise, ignore the message.

## 002E [INPUT|OVERLAY] [FILE|DATA SET] ['fn [ft [fm]]'] NOT FOUND

Explanation: The specified file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification has been misspelled, or incomplete identification has been provided to cause the appropriate disk to be searched.

For a DMSROS TEXT file, either the file does not have a filemode of 2, or the file does not exist on the system disk.

For the STATEW command, the file may exist, but it is not on any of the user's read/write disks.

For the ZAP command, either none of the libraries specified for a TXTLIB or LOADLIB could be found, or the INPUT filename could not be located via the STATE macro.

See the VM/370: CMS Command and Macro Reference for a description of the file identification required by each command and the search procedure used. For the ASM3705 and ZAP commands, see the VM/370: Planning and System Generation Guide.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same.

For DMSLIO, some loader information fields have been initialized, but they should not interfere with a subsequent LOAD command.

User Action: Find or create the desired file. To make sure that the file exists, issue STATE fn ft \* or LIST fn ft \*. Correct and reissue the command.

## 002W FILE 'fn ft [fm]' NOT FOUND

Explanation: The specified file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification has been misspelled, or incomplete identification has been provided to cause the appropriate disk to be searched. (See the VM/370: CMS Command and Macro Reference for a description of the file identification required by each command and the search procedure used.)

System Action: DMSGLB issues RC = 28; all other modules issue RC = 4. Execution of the command continues.

For DMSGLB, the old MACLIB or TXTLIB list is cleared and the new list contains all specified libraries except those that are not found.

For DMSGND, there will be no entry in the directory for the file not found.

For DMSLBM, the file not found will not be in the MACLIB. Processing continues with the next filename if one exists.

For DMSLBT, processing continues with the next filename if one exists.

For DMSZAP, if a library name was specified, the next library name (if one is

present) is used. If a MODULE file was specified, all control records encountered until the next NAME, DUMP, or END control record are ignored.

User Action: To make sure the file exists, issue STATE fn ft \* or LIST fn ft \*. Make sure that the disk on which the file resides is accessed.

For DMSGND, if you must have the file not found in the directory, take steps to supply the file. Correct and reenter the command.

For DMSLBM, if the MACLIB exists after execution of the command, use the MACLIB ADD command to add the file to the library.

For DMSLBT, supply the necessary file using the TXTLIB ADD command.

## 003E INVALID OPTION 'option'

Explanation: The specified option is invalid. It may have been misspelled or, if the option is truncatable, it may have been truncated improperly, or it may conflict with another option in the command line.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

For DMSLIO, some option processing may have caused user storage to be cleared or the location counter set, etc. This should not interfere with a subsequent LOAD command.

User Action: Correct and reenter the command.

## 004E {BOOK 'subl.book'|MODULE 'module'|PHASE 'phase'|PROCEDURE 'procedure'} NOT FOUND

Explanation: The specified book, module, phase, or procedure was not found on the accessed disk(s) as a result of a FETCH (SVC 1 or SVC 2).

System Action: RC = 28  
Execution of the command terminates. The system status remains the same.

User Action: To make sure the file exists, issue the command DOSLIB MAP against all DOSLIB files. If the file resides on a DOS-formatted disk, a DSERV will help locate it.

## 004W WARNING MESSAGES ISSUED

Explanation: The language processor returned completion code 4.

System Action: RC = 4  
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

## 005E NO 'option' SPECIFIED

Explanation: The indicated option was entered in an incomplete form.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reenter the command, specifying the required data for the option.

## 006E NO READ/WRITE ['A'] DISK ACCESSED [FOR 'fn ft']

Explanation: The user does not have access to a read/write disk on which the command can write its output or utility files. If the message displayed is NO READ/WRITE 'A' DISK ACCESSED, the command requires that the A-disk be accessed in read/write mode in order to execute.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Access a read/write disk and reissue the command. Or issue the CP LINK command to reset the A-disk to read/write mode, access the A-disk again, and reissue the command.

## 007E FILE 'fn ft fm' [IS] NOT FIXED, 80 CHAR. RECORDS

Explanation: The specified file must have fixed-length, 80-character records in order for the command to be executed.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

For the UPDATE command, the following may have occurred:

- If a file with the fileid "\$fname ftype" existed on the output disk before the command was entered, this file may have been erased.
- If the DISK option was in effect and a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.
- If the CTL option was in effect and a file with the fileid "fname UPDATES" existed on the output disk before the command was entered, this file may have been erased.

- If UPDATE processing began before the error was detected, any or all of the following files may have been created on the output disk:

```
UPDATE CMSUT1
$fname ftype
fname UPDLOG - if the DISK option was
               in effect
fname UPDATES - if the CTL option was
               in effect
```

User Action: It is possible that an incorrect fileid was specified in the command line. In this case, retype the command line. If, however, the fileid was correct but the file is in the wrong format or does not contain 80-character records, change the file's format and/or record length with the COPYFILE or EDIT command.

```
008E DEVICE 'cuu' {INVALID OR
NONEXISTENT|UNSUPPORTED DEVICE TYPE}
```

Explanation: The virtual machine does not have a virtual 1403 or 3211 printer, punch, or reader.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Use the CP DEFINE command to provide a suitable virtual device and retry this command.

```
008W ERROR MESSAGES ISSUED
```

Explanation: The language processor returned completion code 8.

System Action: RC = 8  
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

```
009E COLUMN 'col' EXCEEDS RECORD LENGTH
```

Explanation: The column specified lies outside the logical record length of the file.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying the correct column.

```
010E PREMATURE EOF ON FILE 'fn ft [fm]'
```

Explanation: For DMSCMP, an end-of-file occurred on one of the files being compared before the end-of-file was received on the other.

For DMSTPE, a tapemark was encountered on the file before the file was completely loaded.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

For DMSTPE, a temporary file called "TAPE CMSUT1" containing the data has been created on the A-disk or on the disk specified by the user. "TAPE CMSUT1" contains fixed-length, 800-byte records.

User Action: For DMSCMP, this normally indicates that the files being compared had an unequal number of records. If the command was properly specified, no action is necessary.

For DMSTPE, the file may have to be dumped to tape again.

```
010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ
NUMBER '.....' NOT FOUND
```

Explanation: The update file contained an error. A control card specified a search for a sequence number which exceeded the value of any sequence number in the file being updated. As a result, a premature end-of-file occurred on the input file being updated, before the sequence number specified in the control card could be found.

System Action: RC = 12  
Update processing continues, and, if the CTL option was specified, additional update passes will be made.

If several warning messages are generated during the updating process, the final return code when the UPDATE command has finished processing will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages. The REP option, if it was specified, will be ignored, and the final update deck will have the fileid '\$fname ftype'.

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

```
011E CONFLICTING FILE FORMATS
```

Explanation: The filetypes specified do not have the same record format; that is, one is fixed-length and one is variable-length, or the record lengths differ.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

User Action: Change the record format with the COPYFILE command.

## 012W SEVERE ERROR MESSAGES ISSUED

Explanation: The language processor returned completion code 12.

System Action: RC = 12  
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

## 013E MEMBER 'name' NOT FOUND IN LIBRARY ['fn ft fm']

Explanation: The specified member was not found in the library.

System Action: RC = 32  
Execution of the command terminates. The system remains in the same status as before the command was entered.

User Action: Use the MACLIB MAP or TXTLIB MAP command to display the names of library members.

## 013W {MEMBER|PHASE} 'name' NOT FOUND IN LIBRARY 'fn ft fm'

Explanation: The member or phase specified was not found in the specified library. If REPLACE was specified, the new member is added.

System Action: RC = 4  
Processing continues with the next filename.

User Action: None.

## 014E INVALID FUNCTION 'function'

Explanation: The function specified is misspelled or invalid.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same, with the following exceptions:

For DMSOVR, SVCTRACE is turned off if it was previously on.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4,) or TAP1.

User Action: Reenter the command, specifying a valid function.

## 015E {UNKNOWN {CP/CMS|CMS|CP} |INVALID {CMS|SUBSET}} COMMAND

Explanation:

UNKNOWN CP COMMAND  
indicates that IMPCP (implied CP) was on so the command was passed to CP, but no CP command could be found with the name entered.

UNKNOWN CMS COMMAND  
indicates that no CMS command, CMS or user EXEC file, or user MODULE file exists by the name entered.

UNKNOWN CP/CMS COMMAND  
indicates that no CP or CMS command could be found with the name entered.

INVALID CMS COMMAND  
indicates that an error has occurred in LOADMOD.

INVALID SUBSET COMMAND  
indicates that the loader has tried to load a routine at an address equal to or higher than X'20000'. The command you issued may be a valid CMS command, but not a valid subset command.

System Action: A positive return code is passed if an error occurs in CP processing. A negative return code is passed if the command entered is considered an invalid CMS command. The system status remains the same.

User Action: Enter a command.

## 016W TERMINAL ERROR MESSAGES ISSUED

Explanation: The language processor returned completion code 16.

System Action: RC = 16  
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

## 017E INVALID DEVICE ADDRESS 'cuu'

Explanation: The device address was not specified correctly, or the device was not accessed.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Check the specified device address and reissue the command.

Note: For a virtual machine with ECMODE on, a valid cuu is within the range X'001' through X'00F'. Otherwise, a valid cuu is within the range X'001' through X'5FF'.

## 018E NO LOAD MAP AVAILABLE

Explanation: The module file was created with the NOMAP option of GENMOD or is a transient area routine.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Regenerate the module file with the MAP option and reissue the command again.

clean-up has been processed for the loaded files. A subsequent START command should not be affected.

For DMSMOD, the module is not created.

User Action: For DMSGND, reload the auxiliary directory and issue the command again.

For DMSLIO and DMSNCP, reissue the START command with the proper entry point or control section name, or asterisk (\*). Correct the LDT card with the CMS Editor.

For DMSMOD, correct the GENMOD command line or add the requested name as an external name in the files being generated.

## 019E IDENTICAL FILEIDS

Explanation: The fileids specified in the command line are identical.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying two different fileids.

## 021W NO TRANSIENT DIRECTORY

Explanation: A request was made to display a transient directory, but neither a private core image library nor a system residence library was assigned.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the proper libraries are assigned and reissue the command.

## 020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED

Explanation: The address specified in the PDUMP macro is invalid for one of the following reasons:

- add2 must be greater than add1.
- add1 cannot be negative.
- add1 cannot be greater than ppend (the end of the virtual partition).
- add2 cannot be negative.

System Action: The macro results in no operation. No dump is provided; processing continues.

User Action: None.

## 022E NO DIRECTORY NAME SPECIFIED

Explanation: A directory name was not entered with the command.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a directory name.

## 021E ENTRY POINT 'name' NOT FOUND

Explanation: For DMSGND, the specified directory name was not found in the loader tables.

For DMSLIO and DMSNCP, an entry point name specified either with the START command or on an LDT card could not be located in the loaded TEXT files.

For DMSMOD, the name used with the FROM or TO option of the GENMOD command does not occur in the currently loaded files.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

For DMSLIO and DMSNCP, no execution takes place for LDT. Loading stops. Loader

## 022W NO CORE IMAGE DIRECTORY

Explanation: A request was made to display a core image directory, but neither a private core image library nor a system residence library was available.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the proper library is assigned and reissue the command.

## 023E NO FILETYPE SPECIFIED

Explanation: The command requires that you specify both filename and filetype.

For the DLBL command, both are required if you specify the CMS operand.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: Reenter the command, specifying the filename and filetype.

## 023W NO RELOCATABLE DIRECTORY

Explanation: A request was made to display a relocatable directory, but either no private or system relocatable library was available or no active entries were present on the appropriate directory.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Ensure that either the proper library is assigned or that active relocatable entries are available in the directory and reissue the command.

## 024E FILE 'fn ft fm' ALREADY EXISTS [-- SPECIFY 'REPLACE']

Explanation: The specified file already exists.

For DMSEDI, the Editor work file, EDIT CMSUT1, already exists as the result of a previous edit session ending abnormally.

For DMSUPD, a file with the fileid 'UPDATE CMSUT1' already exists. This usually indicates that the UPDATE command was executed previously and was terminated abnormally, and that it left a work file on the output disk at that time.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same, with the following exception:

For DMSCPYP, if you were creating multiple output files, several output files may have been created before the error was discovered.

User Action: You can use the TYPE command to examine the existing file. If you decide you want to keep it, use the RENAME command to give it a new fileid. If the file is invalid or incomplete, erase it and reissue the command; or for DMSCPYP, simply reissue the command and specify the REPLACE option.

## 024W NO PROCEDURE DIRECTORY

Explanation: A request was made to display a procedure directory but no system residence library was assigned.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the system residence library is assigned and reissue the command.

## 025E INVALID DATA IN 370X CONTROL PROGRAM

Explanation: One of the following conditions has occurred:

For specified EP or PEP -- The implied or channel vector table was not found.  
For NCP or PEP -- The maximum resource ID exceeds 4086 bytes.  
For NCP or PEP -- The first resource is not the 370X.

System Action: RC = 16  
Execution of the command terminates.

User Action: Make sure that the 370X control program has been generated with the correct parameters and that the correct CAMOD operand value was used on the SAVENCP command. For the correct parameters for the 370X control program generation, refer to the VM/370: Planning and System Generation Guide.

## 025W NO SOURCE STATEMENT DIRECTORY

Explanation: A request was made to display a source statement directory, but either a private source statement library or a system residence library was not available or there were no source statement entries in the library available.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Ensure that either the proper library is assigned or that active source statement entries are present in the directory and reissue the command.

## 026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION

Explanation: The data specified for the given function is misspelled, missing or incorrect.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying valid data for the function.

## 026W 'phase' NOT IN LIBRARY

Explanation: A request was made to display a certain entry or entries in a core image



directory but the entry or entries were not in the library.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: Reissue the command specifying the proper phase name.

027E INVALID DEVICE {'device name'|'device' FOR 'SYSxxx'}

Explanation: The device specified is invalid, or, if the message is INVALID DEVICE 'device' FOR 'SYSxxx', the device associated with the specified logical unit is not supported by the processor.

System Action: RC = 24, except for DSERV, which issues RC = 28.  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying a valid device name. Or, for DMSERV, use the command LISTIO SYSxxx to verify the device to which the logical unit is assigned. Reassign the logical unit to a valid device and reissue the command.

027W NO PRIVATE CORE IMAGE LIBRARY

Explanation: A request was made to display the core image directory of a private core image library, but no entries were present.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: None.

028E NO {DEVICE|LOGICAL UNIT} SPECIFIED

Explanation: The command requires that you specify a device address or logical unit.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying a valid device address or logical unit.

028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES

Explanation: No directory entries were present on the specified transient library.

System Action: RC = 4  
Execution of the command continues until all specified directories are processed.

User Action: None.

029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD

Explanation: The data entered following the specified option was invalid.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

For DMSLIO, some option processing may have altered loader information. This should not affect a subsequent load.

User Action: Check the format of the field and reissue the command, specifying the data after the option.

030E FILE 'fn ft fm' ALREADY ACTIVE

Explanation: A file could not be referenced because it was already active. For example, this message will appear if you try to append a file to itself, or if you try to rename the EXEC file you are executing.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same, with the following exceptions for DMSCPYP:

- If the APPEND option was specified, and if the copying process had begun before the error was discovered, then records will have been appended to the output file.
- If the NEWFILE (the default), REPLACE or OVLY option was specified, and if the copying process had begun before the error was discovered, then COPYFILE CMSUT1, on the output disk, will contain the records copied so far.
- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Use another method of execution, or close the file and retry.

031E LOADER TABLES CANNOT BE MODIFIED

Explanation: If you are trying to increase the number of loader tables, the system storage below the loader tables is in use.

If you are trying to decrease the number of loader tables, either the loader is using more tables than you specified, or the system storage below the loader table is in use.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: The number of loader table pages should be modified before other storage is allocated. The command should be issued immediately after IPL.

User Action: You may change the record format of the file by using the COPYFILE command with the RECFM option. Then reissue the command.

## 032E INVALID FILETYPE 'ft'

Explanation: The filetype entered was not valid for the command.

For DMSMOD, the filetype must be MODULE.

For DMSSYN, the filetype must be SYNONYM.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct the filetype and reenter the command.

## 035E INVALID TAPE MODE

Explanation: An invalid combination of tape options was specified. For example: 9TRACK, DEN 200.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct the tape options and reissue the command.

## 033E FILE 'fn ft fm' IS NOT A LIBRARY

Explanation: For DMSSVT, the file specified in the message cannot be updated or read because the file is either a CP-67/CMS 3.1 MACLIB an invalid MACLIB.

For DMSVRT, DMSPUN, and DMSTYP, the MEMBER option is invalid because the file specified is not a library.

System Action:  
For DMSSVT, the following return code is issued:

RC = 8 (if the FIND macro was issued)  
RC = 10 (if the STOW macro was issued)

The return code is passed to the user program and the program continues executing.

For DMSVRT, DMSPUN, and DMSTYP, a return code of 32 is issued. Execution of the command terminates. The system status remains the same.

User Action: For DMSSVT, check for an invalid MACLIB or an invalid fileid specification in the FILEDEF command.

For DMSVRT, DMSPUN, and DMSTYP, specify a library or omit the MEMBER option.

If the file is a CP-67/CMS 3.1 MACLIB and your program is trying to update it, you must first convert the file to a VM/370 MACLIB using the MACLIB command with the COMPACT option.

## 036E OPEN ERROR 'code' ON 'ddname'

Explanation: An error occurred during an OS OPEN. The possible error codes are described below:

Code Meaning

- 1 The DSORG option of the specified DCB (data control block) is not PO, PS, or DA (partitioned organization, physical sequential, or direct access, respectively).
- 2 The default FILEDEF for the DCB 'ddname' displayed in the message failed.
- 3 The RECFM of the specified DCB does not agree with the format of the existing file, that is, one RECFM is variable-length and the other is fixed-length.
- 4 A DCB, BLKSIZE, LRECL, or BUFL option is missing or invalid.
- 5 The input DCB BLKSIZE is not a correct multiple of the DCB LRECL, or the output DCB specifies writing blocked output, but only unblocked output is permitted.
- 6 RECFM is fixed-length and LRECL does not agree with the record length of the existing file or, if the filemode is 4, the BLKSIZE does not agree with the record length of the existing file.
- 7 RECFM is variable-length spanned, and either the access method is not BSAM or the filemode is not 4.
- 8 An error occurred saving the BPAM directory for update, or an error occurred while doing a FIND for the member name specified in the FILEDEF command or CHSCB macro.
- 9 The DCB specifies output, BDAM or a key length for an OS data set or DOS file.

## 034E FILE 'fn ft fm' IS NOT FIXED LENGTH

Explanation: The specified file must have fixed-length records in order for the command to be executed.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

Code Meaning

80 The file is an unsupported OS data set or DOS file, or an I/O error occurred accessing an OS or DOS disk.

System Action: The program continues executing, but the DCBFLGS OPEN bit is not turned on and the DCB is not initialized.

User Action: Noting the error code and ddname displayed in the message, check the associated FILEDEF command and DCB macro for invalid or missing DCB options.

For DMSMOD, loader cleanup has been performed on loaded files.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4,) or TAP1.

User Action: Issue the CP command LINK to reset the disk to read/write status. Then access the disk again and reissue the command.

For DMSBDP, ensure that the appropriate disk is being associated with the DTF being opened, and reissue the command.

037E [OUTPUT] DISK 'mode [cuu]' IS READ/ONLY

Explanation: The filemode of the output file specifies a read-only disk, which cannot be written on.

For DMSUPD, there was no read/write disk available for the UPDATE output files. The following steps are taken to determine the disk on which the UPDATE output files are to be placed (the search stops as soon as one of the following steps is successful):

- If the disk on which the original source file lies is read/write, the output files are placed on that disk.
- If that disk is a read-only extension of a read/write disk, the output files are placed on that particular read/write disk.
- The output files are placed on the A-disk, if it is read/write.

If all three of the above steps fail, and the A-disk is read-only, then the message

DISK 'A' IS READ/ONLY

is displayed.

If this message occurs during VSAMGEN EXEC processing, it indicates that the CMS A-disk is accessed in read-only mode. But the VSAMGEN EXEC procedure requires that the CMS A-disk be accessed in read/write mode so that the CMS DOSLIB files can be written on it. Also, for an OS 'INSTALL', the VSAM and Access Method Services object modules will be copied to it for future updating. In a 'MAINT' run for both DOS and OS users, the PTF decks read from the reader are also written on the CMS A-disk.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

If this message occurs during VSAMGEN EXEC processing, the VSAMGEN EXEC procedure terminates and the system returns to the CMS command environment.

For DMSCPY, in multiple output file mode, several output files may have been created before the error was discovered.

For DMSDSK, the reader is closed with the HOLD option.

038E FILEID CONFLICT FOR DDNAME  
'{ASM3705|ASSEMBLE}'

Explanation: The file specified with an ASM3705 (or ASSEMBLE) command has been previously defined by a FILEDEF command, but its filetype was not defined as 'ASM3705' (or as 'ASSEMBLE'). Or, you have issued a FILEDEF command for a reader or tape input file and specified a filename that is already defined as a disk file with the filetype ASM3705 (or ASSEMBLE).

System Action: RC = 40  
The command is not executed. The system status remains the same.

User Action: Verify that you have specified the correct filename with the ASM3705 (or ASSEMBLE) command. If it is correct, in the first case above, issue a FILEDEF ddname CLEAR command for the file, or issue a FILEDEF command that sets the filetype correctly. In the second case, either use a different filename for the input file, or erase the existing disk file.

039E NO ENTRIES IN LIBRARY 'fn ft fm'

Explanation: The library specified contains no members, probably because all members were deleted using the MACLIB DEL command.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

User Action: None.

040E NO FILES LOADED

Explanation: The user has not previously issued a LOADMOD or LOAD command.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Load files via the LOAD or LOADMOD command.

## 041E INPUT AND OUTPUT FILES ARE THE SAME

Explanation: One of the following errors was detected:

- The same ddname was specified for input and output.
- The input ddname and output ddname specify the same disk file.
- The input ddname and output ddname specify the same tape unit.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the FILEDEF and MOVEFILE commands correctly.

## 042E NO FILEID[ (S) ] SPECIFIED

Explanation: At least one file identification is required in order for the command to be executed.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying at least one fileid.

## 043E 'TAPn(cuu)' IS FILE PROTECTED

Explanation: The tape cannot be written on.

System Action: RC = 36  
Execution of the command terminates. If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPn, where: n = 1, 2, 3, 4).

User Action: Send a message to the operator to insert the write enable ring in the tape and retry the command.

For DMSCLS, verify that the correct tape is mounted.

## 044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM

Explanation: The record length given exceeds the maximum record length allowed. The maximum record length allowed by the EDIT command is 160 characters; by the PRINT command, 151 characters; and by the PUNCH command, 80 characters.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

User Action: For DMSEDI, reissue the command with an acceptable record length.

For DMSVRT and DMSVUN, you can change the record length with the COPYFILE command, and then reissue the command.

## 045E UNSUPPORTED 370X CONTROL PROGRAM TYPE

Explanation: The 3705 control program type is not an Emulation Program (EP), Partitioned Emulation Program (PEP) or Network Control Program (NCP).

System Action: RC = 16  
Execution of the command terminates.

User Action: Make sure that the 370X control program has been generated with correct parameters. For the correct parameters for the 370X control program generation, refer to the VM/370: Planning and System Generation Guide.

## 046E NO LIBRARY NAME SPECIFIED

Explanation: The command was entered without a library name.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reenter the command, specifying the library name.

## 043E 'TAPn(cuu)' IS FILE PROTECTED

Explanation: The tape cannot be written on.

System Action: RC = 36  
Execution of the command terminates. If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPn, where: n = 1, 2, 3, 4).

User Action: Send a message to the operator to insert the write enable ring in the tape and retry the command.

For DMSCLS, verify that the correct tape is mounted.

## 047E NO FUNCTION SPECIFIED

Explanation: A function must be specified in order for the command to be executed. Either ON or OFF must be specified with the SVCTRACE command. For the ZAP command, you must specify LOADLIB, MODULE, or TXTLIB.

System Action: RC = 24  
Execution of the command terminates.

For SVCTRACE, SVCTRACE is turned off if it was on.

For DMSTPE, if the DEN, TRTCH, 7TRACK or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. Otherwise, the system status remains the same.

User Action: Reissue the command with the desired function.

## 048E INVALID MODE 'mode'

Explanation: This message can occur for any one of the following reasons:

- The mode was not specified correctly.

- The mode letter, if specified, is not one of the following: A, B, C, D, E, F, G, S, Y, Z. (For the DLBL command, the mode letter must not be S.)
- The mode number, if specified, is not between 0 and 5.
- More than two characters were specified for the mode.
- A null line was entered as the first specification with the MULT option of the DLBL command.
- The mode specified with a LISTDS command was not the mode of an OS or DOS disk.
- The mode specified with a LISTFILE command was not the mode of a CMS-formatted disk.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAP*i*, where: *i* = 1, 2, 3, 4) or TAP1.

User Action: Reissue the command with the filemode specified correctly.

#### 049E INVALID LINE NUMBER 'line number'

Explanation: The specified line number is either zero or outside the limits of the file.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Examine the file and reissue the command with a correct line number.

#### | 050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}

Explanation: A parameter that is required by the command was not specified.

For the ASSGN command, the disk mode must be specified for the SYSxxx logical unit.

For the DLBL command, the disk mode or DUMMY or CLEAR must be specified after the ddname.

For the FILEDEF command, the device name or DUMMY or CLEAR must be specified after the ddname.

| For the SET command, a required parameter that must follow a function is missing.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

#### 051E INVALID MODE CHANGE

Explanation: The filemode letter specified for the old fileid is not the same as the filemode letter specified for the new fileid.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

#### 052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED

Explanation: The maximum number of characters that can be used to specify options for this command is 100. More than 100 characters were used.

System Action: RC = 24  
The command is not executed. The system status remains the same.

User Action: Reissue the command, using 100 or fewer characters to specify the options. Use abbreviations if necessary.

#### 053E INVALID SORT FIELD PAIR DEFINED

Explanation: Either an ending character position was not specified for a sort field, the starting position is greater than the ending position, the fields contain nondecimal characters, or the sort field exceeds the maximum of 253 characters.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

#### 054E INCOMPLETE FILEID SPECIFIED

Explanation: You must specify the filename and filetype in order for the command to be executed. In addition, for some commands you must specify the filemode.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Check the description of the command, correct the command line, and reissue the command.

## 055E NO ENTRY POINT DEFINED

Explanation: For the START command or the START option of the FETCH, LOAD, or INCLUDE command, either the initial execution address is zero, or there is no executable code at the execution address, or nothing has been loaded.

This message is also issued if a START command (or FETCH command with the START option) is issued following a SET DOSPART command, resetting the size of the DOS partition. Redefining the partition size causes storage to be reinitialized and any previous loads or fetches must be reissued.

System Action: RC = 40  
Execution of the command terminates. Loader cleanup has been performed on loaded files. This should not interfere with a subsequent START command.

User Action: If no file was previously loaded, issue the LOAD command specifying the files to be loaded. If files are loaded, check them for incorrect SLC or entry cards.

## 056E FILE 'fn ft [fm]' CONTAINS INVALID {NAME|ALIAS|ENTRY|ESD} RECORD FORMATS

Explanation: For DMSLBM and DMSNCP (GEN, ADD, REP), the specified file is not in the expected format. MACRO and MEND cards must be included in the MACRO files, and the prototype card must be specified with a name that does not exceed eight characters. If an &COPY statement appears, it must contain a name. A MACLIB must contain 'LIB' in columns 4-6 of record one.

For DMSLBT, the specified file is not in the expected format. MACRO or COPY files must have fixed-length 80-byte records.

For DMSLIO, all TXTLIB files must have "LIB" in columns 4-6 of record one.

For DMSSYN, the specified file is not in the expected format. The SYNONYM file must contain 80-byte records in free form format, with columns 73-80 ignored. The data consists of a command name followed by a blank and the user synonym. This may optionally be followed by a count which is preceded by at least one blank.

For DMSZAP, either the header record for TXTLIB or LOADLIB was invalid, or the pointer to the directory or module map was in error.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

User Action: For DMSLBM and DMSNCP, issue the MACLIB COMP command, then check the MACLIB with a MACLIB MAP command. Correct the format error.

For DMSLBT and DMSSYN, correct the format of the file.

For DMSLIO, recreate the TXTLIB.

For DMSZAP, recreate the library or module.

Then reissue the command.

## 056W FILE 'fn ft fm' CONTAINS INVALID {NAME|ALIAS|ENTRY|ESD} RECORD FORMATS

Explanation: The specified file is not in the expected format.

System Action: Processing continues.

User Action: None.

## 057E INVALID RECORD FORMAT

Explanation: For the TAPE command, a record that was read was not in TAPE DUMP format. For the TAPEMAC command, the tape was not in the IEHMOVE unloaded PDS format, or the PDS logical record length is not 80.

System Action: RC = 32  
Execution of the command terminates. For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where:  $i = 1, 2, 3, 4$ ) or TAP1.

User Action: For the TAPE command, rewrite the file onto tape using the TAPE DUMP command. For the TAPEMAC command, recreate the file on tape using the OS IEHMOVE utility program. Then reissue the command.

## 058E END-OF-FILE OR END-OF-TAPE [ON 'TAPn']

Explanation: The end of the file or tape was reached.

For DMSTPE, an end-of-tape condition was encountered while doing a write, WTM (write tape mark), or ERG (erase gap) operation.

System Action: RC = 40  
Execution of the command terminates. For DMSTPE, the last operation is not completed. The tape is positioned at the end. If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where:  $i = 1, 2, 3, 4$ ) or TAP1.

User Action: For DMSTPD, you may space the tape forward and continue, or rewind the tape, and quit; this can be an information message rather than an error condition, depending on the circumstances.

For DMSTPE, if the position of the tape is not as expected, use the appropriate TAPE control function to reposition it.

For DMSBOP, ensure that the proper tape has been mounted. If so, rewind and reposition the tape and retry.

For DMSCLS, rewind and reposition the tape and retry.

059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK.

Explanation: You are trying to access the specified device in read-only mode, but you have already accessed it read/write mode. You cannot have a disk accessed as both read-only and read/write, because the read-only file directory would not reflect any updates you made until the next time you reaccessed the disk.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Release the disk by issuing the RELEASE command and then reissue the ACCESS command.

060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode (cuu)' WILL NOT BE ACCESSED.

Explanation: The files requested were not on the specified disk; therefore, the disk is not accessed. If another disk was already accessed as mode "fm", it is released.

System Action: RC = 28  
Execution of the command terminates. The system remains in the same status as before the command was entered.

User Action: Check to see that the fileid is specified correctly, and reenter the command.

061E NO TRANSLATION CHARACTER SPECIFIED

Explanation: A SET INPUT or SET OUTPUT command was issued without a translation character.

System Action: RC = 24  
Execution of the command terminates. The translate table remains unchanged.

User Action: Reissue the command with the appropriate translation character.

062E INVALID [CHAR] '[=\*|char]' IN [OUTPUT] FILEID ['fn ft [fm]]'

Explanation: The character specified (asterisk, equal sign, or other) was invalid in the fileid in which it appeared.

System Action: RC = 20  
Execution of the command terminates. The system status remains the same, with the following exceptions for the COPYFILE command:

- If the APPEND option was specified and the copying process began before the error was discovered, then records were appended to the output file.

- If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Check the description of the command format and reissue the command.

063E NO [TRANSLATION|SPECIFICATION] LIST ENTERED

Explanation: A list was requested in response to the SORT command, or to the SPECS option or TRANSLATE option of the COPYFILE command, but a null line was entered in response.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, and enter the list when it is requested.

064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR 'list'

Explanation: An invalid specification was included in the list entered when either the SPECS option or the TRANS option was specified. "list" is the portion of the list you entered that is in error. Some of the errors that can cause this message to appear in conjunction with the SPECS option are the following:

- A source specification was entered with no target specification.

- An invalid decimal number was entered for an input or output column.

- An input file specification of the form "nn-mm" was given, but mm was smaller than nn.

- A string was specified without an ending delimiter.

- A zero length string was specified.

- An invalid hexadecimal number was specified, or an odd number of hexadecimal digits followed the "H" of such a specification.

- The continuation code (++) was specified in the middle of a specification, rather than at the beginning of one.

Some of the errors that can cause this message to appear in conjunction with the TRANS option are the following:

- An invalid hexadecimal number was entered.
- An odd number of characters was entered.
- The continuation code, (++) was entered in the middle of a character pair.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command and enter the correct specification list when it is requested.

065E 'option' OPTION SPECIFIED TWICE

Explanation: The option was specified more than once in the command line.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying the option only once.

066E 'option' AND 'option' ARE CONFLICTING OPTIONS

Explanation: The specified options are mutually exclusive and must not be specified in the same command.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS

Explanation: An attempt was made to combine several files at the same time that the PACK or UNPACK option was used. This message will appear if there is more than one input fileid, or if there is an asterisk in the first fileid in single output file mode.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct the command line and reissue the command.

068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT

Explanation: The specified input file is not in packed format, and was specified in an UNPACK operation.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same, except that in multiple output file mode, several output files may already have been created before the error was discovered.

User Action: Correct the command line and reissue the command.

069E DISK 'mode' NOT ACCESSED

Explanation: The specified disk has not been accessed. For DMSDSL, the A-disk must be accessed when the DOSLIB MAP function is performed and the output is directed to disk. For DMSVGN, note that the VSANGEN EXEC procedure requires that you have a read/write CMS disk accessed as your A-disk.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Access the specified disk and reissue the command.

069I DISK 'mode' NOT ACCESSED

Explanation: The disk specified in the FILEDEF command has not been accessed.

System Action: This message is for information only. Execution continues.

User Action: None.

070E INVALID {PARAMETER 'parameter'|ARGUMENT 'argument'}

Explanation: An invalid operand, or too many or extraneous operands, were specified in the command line or EXEC statement.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same, with the following exception for the TAPE command:

If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAP<sub>i</sub>, where: <sub>i</sub> = 1, 2, 3, 4) or TAP1.

User Action: Correct the command line and reissue the command.

071E ERASE \* \* [fm|\*] NOT ALLOWED

Explanation: You cannot erase all files on all disks using the ERASE command. You can enter asterisks for the filename and filetype, but you must specify the filemode letter and number.



System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Issue the FORMAT command to erase all files on a disk. Or use the ACCESS command with the ERASE option (all files on the disk will be erased the first time you write a new file on the disk).

#### 072E ERROR IN EXEC FILE fn, LINE nnn - message

Explanation: The EXEC interpreter has found an error in file "fn", at line "nnn"; "message" may be any one of the following:

##### FILE NOT FOUND

RC = 801

The specified file was not found on the accessed disks. This message can be issued when you try to invoke an EXEC from within another EXEC.

##### &SKIP OR &GOTO ERROR

RC = 802

A request has been made to move to a statement above the beginning of the file, or to a nonexistent label.

##### BAD FILE FORMAT

RC = 803

The file is not in the required format. For instance, it is packed rather than unpacked, or the record length is greater than 130.

##### TOO MANY ARGUMENTS

RC = 804

A maximum number of 30 arguments can be passed to an EXEC file.

##### MAX DEPTH OF LOOP NESTING EXCEEDED

RC = 805

No more than four nested loops may be specified.

##### ERROR READING FILE

RC = 806

An I/O error has occurred while an EXEC file was being read.

##### INVALID SYNTAX

RC = 807

The syntax of the indicated statement is invalid.

##### INVALID FORM OF CONDITION

RC = 808

This can occur from previously unassigned variables. The final result after the line is interpreted is syntactically invalid.

##### INVALID ASSIGNMENT

RC = 809

An attempt was made to assign a value to an unspecified field; for example,

= 42

##### MISUSE OF SPECIAL VARIABLE

RC = 810

Incorrect use of a special variable has been attempted. For example, an attempt

was made to assign a value to &EXEC or to &TYPEFLAG.

##### ERROR IN &ERROR ACTION

RC = 811

An &ERROR control statement specified a CMS command that also resulted in an error.

##### CONVERSION ERROR

RC = 812

A variable in the line must be converted, but cannot be, because it is a character value, it is not in the proper format, or it has not been initialized. For example,

```
'&IF &FLAG EQ 944'
```

If &FLAG was not previously initialized, it is "null" or blank and will cause a conversion error when being converted to decimal. This message is also issued if a nonhexadecimal number is specified after the characters "X" on the right-hand side of an assignment statement (for example, &A = X'12AG'); or if a nondecimal number is specified after the characters "X" in any statement other than an assignment statement (for example, &TYPE X'120A0').

##### TOO MANY TOKENS IN STATEMENT

RC = 813

More than 19 tokens appeared in a single &READ VARS statement.

##### MISUSE OF BUILT-IN FUNCTION

RC = 814

One of the EXEC built-in functions (for example, &CONCAT, &DATATYPE, etc.) was used incorrectly.

##### EOF FOUND IN LOOP

RC = 815

An end-of-file occurred before the command completed the requested operation.

##### INVALID CONTROL WORD

RC = 816

An invalid control word was encountered in the input deck and cannot be read.

##### EXEC ARITHMETIC UNDERFLOW

RC = 817

A negative arithmetic variable has exceeded 8 digits including sign.

##### EXEC ARITHMETIC OVERFLOW

RC = 818

A positive arithmetic variable has exceeded 8 digits.

System Action: The file has been logically executed up to the point where the error was detected.

User Action: Correct the EXEC file and reexecute it.

Note: For a tutorial description of the EXEC facility, see the VM/370: CMS User's Guide. For a description of the EXEC control statements, see the VM/370: CMS Command and Macro Reference.

DMS

073E UNABLE TO OPEN FILE ddname

Explanation: CMS was unable to open the specified ddname. An explanatory message should appear along with this message.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same.

User Action: Verify the ddname and reissue the command.

074E ERROR [RE]SETTING AUXILIARY DIRECTORY

Explanation: The auxiliary directory could not be set or reset. This can occur, for example, if the disk on which the auxiliary directory resides is not accessed when the command is issued, or if it is accessed as a filemode other than the one specified for it with a previous GENDIRT command.

System Action: RC = 40  
If the error occurred on an attempt to set the auxiliary directory, execution of the command terminates. The system status remains the same. If, however, the error occurred on an attempt to reset the auxiliary directory, the assembly has already been done, and execution continues.

User Action: Consult the system programmer to find out what disk the auxiliary directory is on and what filemode that disk should be accessed as. (It should have the filemode that was specified for it with the GENDIRT command.) Access the disk with the proper filemode and reissue the command.

075E DEVICE devicename INVALID FOR {INPUT|OUTPUT}

Explanation: The device specified for the input or output ddname is invalid. This message will appear if the input device specified is DUMMY, PRINTER, or PUNCH, or if the output device specified is READER.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the FILEDEF command and specify the correct input/output device.

076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED

Explanation: An existing file has a record length greater than the record length entered in the command line.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying a larger record length with the LRECL option.

077E END CARD MISSING FROM INPUT DECK

Explanation: Since the end card is missing, the input file is not complete. The deck is probably invalid.

System Action: RC = 32  
Execution of the command terminates. The card file is lost from the reader.

User Action: The DISK DUMP command must be executed to recreate the file.

078E INVALID CARD IN INPUT {DECK|FILE 'cardimage'}

Explanation: For DMSDSK, a card that was not punched by DISK DUMP was encountered in the input deck. The deck cannot be read by DISK LOAD.

For DMSGRN, an invalid card was encountered in the input deck. The deck cannot be processed by the GEN3705 command.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same.

For DMSDSK, the reader file is saved, starting with the card that followed the one that caused the error.

User Action:  
For DMSDSK, retry the command in case there are valid DISK DUMP cards following in the file. If the same error occurs, either retry, use the READCARD command to load the file, or use the CP PURGE command to erase the reader file.

For DMSGRN, use the card image in the error message to correct the card, and reenter the command.

079E INVALID DEVICE ADDRESS - REENTER

Explanation: The device address entered was specified incorrectly, that is, it is not a valid hexadecimal character or is not in the range of X'001' to X'6FF'.

System Action: Message DMSINI606R or DMSINI608R is reissued.

User Action: See DMSINI606R or DMSINI608R.

080E INVALID CYLINDER NUMBER - REENTER

Explanation: The value entered was not a valid decimal number.

System Action: Message DMSINI609R is reissued.

User Action: See DMSINI609R.

## 081E INVALID REPLY - ANSWER "YES" OR "NO"

Explanation: The only valid response to the query is "yes" or "no". Neither was entered.

System Action: Message DMSINI607R or DMSINI610R is reissued.

User Action: See DMSINI607R or DMSINI610R.

## 082E IPL DEVICE ERROR - REENTER

Explanation: Either the device is not currently defined, or it is not in read/write status or it is an unsupported device type.

System Action: Message DMSINI608R is reissued.

User Action: See DMSINI608R.

## 083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

Explanation: The specified nucleus cylinder number was not greater than the number of cylinders indicated in the Master File Directory for the IPL device.

System Action: Message DMSINI609R is reissued.

User Action: Respond to DMSINI609R with a larger cylinder number, or IPL CMS and format the specified IPL device with the RECOMP option.

## 084E INVALID USE OF 'FROM' AND 'TO' OPTIONS

Explanation: The 'FROM' location exceeds or is equal to the 'TO' location.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

## 086E INVALID DDNAME 'ddname'

Explanation: The ddname specified with the command is invalid.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a valid ddname. With the DLBL command, use a ddname of seven characters or less. If you are an OS user, enter the first seven

characters of your program's ACB ddname. If these seven characters are not unique within the program (that is, the eighth character distinguishes two ACBs in the same program), recompile the program using different ddnames.

## 086W DLBL 'ddname' DUMMY INVALID FOR VSAM

Explanation: The ddname in the ACB being opened was specified in a previous DLBL command with the DUMMY operand, which is invalid for VSAM.

System Action: RC = 8  
This message accompanies a DOS/VS VSAM open error code X'11'. The OS user is restricted from using a DUMMY VSAM data set. An attempt to do so will cause unpredictable results at OPEN time. An additional message from the program product being used may follow.

User Action: Reissue the DLBL command specifying a mode for this ddname, and then restart the program that caused the error.

## 087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'

Explanation: The ASSGN command that was entered violated a restriction on the assignment of SYSxxx to a virtual device. The ASSGN command restricts the assignment of logical units to virtual devices as follows:

Logical Units	Valid Assignment
SYS000-SYS241	- to any device as specified by the ASSGN command.
SYSLOG	- to terminal and printer
SYSLST	- to printer, disk, and tape
SYSIPT	- to reader, disk and tape
SYSPPH	- to punch, disk, and tape
SYSRDR	- to reader, disk, and tape
SYSCAT	- to disk
SYSCLB	- to disk
SYSRLB	- to disk
SYSLLB	- to disk
SYSIN	- to reader, tape, and disk
SYSOUT	- to tape

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the ASSGN command, specifying a valid combination of logical unit and virtual device.

## 088E UNSUPPORTED DTF TYPE 'dtftype'

Explanation: An attempt was made to open or close a DTF table of a type not supported by CMS.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: None; CMS/DOS only supports those DTF types identified in the CMS/DOS publications.

089E {OPEN|CLOSE} ERROR CODE 'nn' ON  
{fn|SYSxxx|TAPn}

Explanation: The error code in the message identifies the error situation.

Code Meaning

- 1 The logical unit (SYSxxx) in the DOSCB does not match the logical unit in the DTF table.
- 2 CMS/DOS does not support writing to OS or DOS disks. All files must be written to CMS disks.
- 3 An attempt was made to open or close a sequential disk file, VSAM file, or private source statement library, but no DLBL command was issued with the DLBL ddname equal to the DTF ACB filename. CMS/DOS requires a user-issued DLBL for all sequential disk files, VSAM input and output files, and private libraries.
- 4 An attempt was made to open or close a DTFCD or DTFPR with ASOCPL/FUNC operands specified in the DTF macro. These operands are not supported under CMS/DOS.
- 5 An attempt was made to open an input sequential disk file from an OS disk, but no extent information was found in the OSFST associated with the file.
- 6 An attempt was made to open a sequential disk file for input, but the file was not found on any of the accessed disks.
- 7 The device type in the DTF being opened or closed is incompatible with the PUB device type for the specified unit.
- 8 The system or programmer logical unit is unassigned (PUB pointer in LUB = X'FF').
- 9 There is no CMS/DOS support for reading tapes backward. When the operand READ=BACK is specified on the DTFMT macro, a flag is set in the DTF at compilation time indicating this condition. CMS/DOS supports tape processing only in a forward direction.
- 11 An attempt was made to open or close a DTFMT (tape data file) and 'ASCII=YES' was specified in the DTF macro. This operand is not supported.
- 12 An attempt was made to open a DTFMT (tape data file) and 'FILABL=STD' was specified. However, no VOL1/HDR1 was encountered.

Code Meaning

- 13 PUB information for the tape logical unit being opened (track mode indicator or density) is incompatible with the tape drive.
- 14 The tape is a 3420 tape drive but an invalid tape model number (valid model numbers are 3, 4, 5, 6, 7, and 8).
- 15 While opening a DTF associated with a file on an OS or DOS disk, an I/O error occurred while reading the extent information for the specified data set.
- 16 SYSIPT/SYSRDR is assigned to tape and the record length is not 80 or 81 bytes.
- 17 An unexpected error situation was encountered while performing a tape I/O operation.

System Action: RC= 36

Execution of the command terminates. The system status remains the same.

User Action: Correct the error and reissue the command.

090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'

Explanation: The device class information returned from the CP DIAGNOSE request (code 24) conflicts with the device being assigned.

System Action: RC = 36

Execution of the command terminates. The system status remains the same.

User Action: Reissue the command. If this fails, call IBM for software support.

091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS

Explanation: The current savearea address in the PIB (Partition Information Block) is not the same as the savearea in the LTA (Logical Transient Area).

System Action: RC = 100

Execution of the command terminates.

User Action: Reissue the command; if the problem persists, call IBM for software support.

092E STXIT SAVEAREA ADDRESS INVALID

Explanation: The specified savearea address in a STXIT operation is not within the address range of the virtual machine.

System Action: RC = 100

Execution of the command terminates. The system status remains the same.

User Action: Verify the save area address and reissue the command.

093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG

Explanation: The specified MVCOM macro is attempting to alter a position other than the allowed positions 12 to 23 of the communications region.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Correct the specification of the MVCOM macro and retry.

094E FROM ADDRESS ON MVCOM MACRO INVALID

Explanation: The address specified in the MVCOM macro is not within the range of the virtual machine.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Correct the address specified and retry.

095E INVALID ADDRESS 'address'

Explanation: The specified address is not within the range of the virtual machine, is not a valid storage address, or is not equal to or greater than X'20000'.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a valid address.

096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE

Explanation: A Logical IOCS routine was called to perform a function which the routine was not generated to perform.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Verify that all logical functions to be performed are supported by the Logical IOCS routine linked with your program.

097E NO 'SYSRES' VOLUME ACTIVE

Explanation: No system residence disk (SYSRES) is active; therefore, no procedure library or relocatable library is active.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Use the 'SET DOS ON mode' command to activate a SYSRES disk, and reissue the command.

098E NO {PHASE|PROCEDURE} NAME SPECIFIED

Explanation: The command requires the specification of a phase name or procedure name.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reenter the command supplying a phase name or procedure name.

098S CMS OS SIMULATION NOT AVAILABLE

Explanation: An OS SVC was issued and a CMS saved segment is not available. OS simulation text is not loaded in free storage. Message DMSINS099W or DMSSET099W was previously issued.

System Action: The system terminates abnormally, with an ABEND code of X'0F9'.

User Action:

1. Access a disk containing the proper text for OS simulation and issue the command SET SYSNAME CMSSEG name, where 'name' is invalid (in order to get the OS simulation text loaded into free storage), or
2. Issue the command SET SYSNAME CMSSEG name, with a valid name (in order to be able to use the OS simulation text in that saved segment).

098W CMS OS SIMULATION NOT AVAILABLE

Explanation: DMSINS098W is displayed if, during CMS initialization, it is determined that a CMS saved segment is not available or cannot be loaded, and the OS simulation text could not be loaded into free storage.

DMSSET098W is displayed if, after it was determined that the CMS saved segment was not available, an attempt to load the OS simulation text was unsuccessful. DMSSET098W is preceded by message DMSSET100W.

System Action: If the message is DMSSET098W, RC = 4. If the message is DMSINS098W, no return code is passed and initialization proceeds normally. Any issuance of an OS SVC that follows either of these messages causes the message DMSITS098S to be displayed and the system to terminate abnormally.

DMS

User Action: Access a disk containing the proper text for OS simulation or, using the SET command, specify a valid CMS saved segment.

099E CMS/DOS ENVIRONMENT [NOT] ACTIVE

Explanation: If the message is CMS/DOS ENVIRONMENT NOT ACTIVE, the CMS/DOS environment must be active in order for the command to execute.

If the message is CMS/DOS ENVIRONMENT ACTIVE, the CMS/DOS environment must not be active in order for the command to execute.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Use the SET DOS command to activate or deactivate the CMS/DOS environment and reissue the command.

099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370

Explanation: The parameters specified on the HOST macro in the stage one input stream for an NCP or PEP control program were not equal to the values required by VM/370. The control program may not operate correctly if used by VM/370. (This message does not prohibit saving or loading the control program. It may not indicate an error if the VM/370 generation and load procedures are used for a 3704/3705 control program intended for use by a virtual machine system other than VM/370.)

System Action: For DMSNCP, RC = 99.  
Processing continues.

User Action: None.

100E NO BATCH PROCESSOR AVAILABLE

Explanation: The CMSBATCH module could not find the DMSBTP TEXT S2 file (Batch processor) on any system disk.

System Action: At this point, the operator has a normal CMS interactive machine, not a batch machine.

User Action: Contact your system support personnel.

Routing: This message is displayed at the Batch Facility console at Batch initialization time.

100W [CMSSEG] SYSTEM NAME 'name' NOT AVAILABLE

Explanation: The CMS saved segment name indicated in the message is not available, or an error occurred when a LOADSYS DIAGNOSE was issued for it.

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System Action: For DMSSET, RC = 4. For DMSINS, no return code is issued. The command is not executed. The system status remains the same.

User Action: Reissue the command, specifying a valid name. If the problem persists, call your system support personnel.

101E BATCH NOT LOADED

Explanation:

1. The CMSBATCH command was issued after the first carriage return following IPL, or
2. The CMSBATCH module encountered errors trying to load the DMSBTP TEXT S2 file (Batch processor). See the LOAD command for possible errors, or
3. The CMSBATCH module could not locate the DMSBTPAB entry point in DMSBTP while searching the loader tables. At this point DMSBTP has already been loaded.

System Action: At this point, the operator has a normal CMS interactive machine, not a batch machine.

User Action: If the explanation is (1) follow start-up procedure (starting with IPL). If it is (2) or (3), contact your system support personnel.

Routing: This message is displayed at the Batch Facility console at Batch initialization time.

101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '.....'

Explanation: A specification list was so long that the storage area reserved for storing specification strings was exhausted.

System Action: RC = 88  
Execution of the command terminates. The system status remains the same.

User Action: Copy the file twice, possibly using the OVLY option a second time, so that less string storage is needed each time.

102S TOO MANY FILEIDS

Explanation: Too many input fileids were specified.

System Action: RC = 88  
Execution of the command terminates. The system status remains the same.

User Action: To correct this situation, use two COPYFILE commands, specifying the APPEND option with the second one.

## 103S NUMBER OF SPECS EXCEEDS MAX 20

Explanation: More than 20 specifications were entered.

System Action: RC = 88  
Execution of the command terminates. The system status remains the same.

User Action: Use more than one COPYFILE command, possibly specifying OVLY after the first one.

## 104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

Explanation: An unrecoverable error occurred while reading the file from disk. nn indicates the nature of the error; it may be one of the following:

Code Meaning

- |    |  |
|----|--|
| 1  | The specified file was not found.  |
| 2  | The buffer area is not within user storage limits.   |
| 3  | A permanent disk read error occurred. This may occur if you link to and access another user's disk, and try to read a file that was refiled by its owner after you issued the ACCESS command. Reissue the ACCESS command and try to read the file again. |
| 5  | The number of records is less than zero or more than 32768.  |
| 7  | The fixed/variable flag in the file status table entry is not F or V.  |
| 8  | The given storage area was smaller than the actual size of the records read. (This error is valid if reading the first portion of a large record into a small buffer. It does not cause the function to terminate.)                                      |
| 9  | The file is open for writing and must be closed before it can be read.   |
| 11 | Only one record can be read for a variable-length file. In this case, the number of records is greater than 1.   |
| 12 | An unexpected end-of-file occurred (the record number specified exceeds the number of records in the file).  |
| 13 | A variable-length file has an invalid displacement in the active file table.   |
| 14 | An invalid character was detected in the filename.   |
| 15 | An invalid character was detected in the filetype.   |
| 25 | Insufficient virtual storage is available.   |

System Action: RC = 100  
Execution halts. The system remains in the same status as before the command was entered.

For DMSEDI, the Edit session terminates. If the error occurred during a RENUM operation, the workfile is erased and the file being edited remains unchanged.

For DMSDSL, the condition of the DOSLIB file is unpredictable.

For DMSLBM, the condition of the MACLIB file is unpredictable.

For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAP*i*, where: *i* = 1, 2, 3, 4) or TAP1. Some records may have been written on tape.

User Action: If you can determine the problem from the "Explanation" and remedy the condition, retry the command. If not, retry the command; if the error persists, call your system support personnel.

For DMSDGL, verify DOSLIB integrity with the DOSLIO map function.

For DMSLBM, verify MACLIB integrity with the MACLIB MAP command.

For DMSLIO and DMSMOD, reissue the entire LOAD/INCLUDE sequence after checking the error conditions.

For error code '09', issue an FSCLOSE macro for the file.

## 105E NO JOB CARD PROVIDED

Explanation: The first record of the user job was not a /JOB card.

System Action: The Batch Facility has flushed the user job and continued with the next user job.

User Action: Resubmit the job to the Batch Facility with the first record of the job in Batch Facility /JOB format.

Routing: This message is displayed at the Batch Facility console during user job execution.

## 105S ERROR 'nn' WRITING FILE 'fn ft [fm]' ON DISK

Explanation: An unrecoverable error occurred while writing on disk. nn indicates the nature of the error; it may be one of the following:

Code Meaning

- |   |  |
|---|--|
| 2 | The virtual storage address is 0.  |
| 4 | The first character mode is invalid.                                     |
| 5 | The second character mode is invalid.                                    |
| 6 | The number of records in the file is too large; it cannot exceed 65,533. |
| 7 | An attempt has been made to skip over an unwritten variable-length item. |

Code Meaning

- 8 The number of bytes was not specified.
- 9 The file is already active for reading.
- 10 The maximum number of CMS files (3500) has been reached.
- 11 The fixed/variable flag is not F or V.
- 12 The mode is S2 (System) or other read-only disk.
- 13 The disk is full (recoverable error).
- 14 The number of bytes to be written is not integrally divisible by the number of records to be written.
- 15 The length of this record is not the same as that of the previous record.
- 16 The fixed/variable flag is not the same as that of the previous record.
- 17 A variable-length record is greater than 65K bytes.
- 18 The number of records is greater than 1 for variable-length file.
- 19 The maximum number of data blocks per file (16060) has been reached.
- 20 An invalid character has been detected in filename.
- 21 An invalid character has been detected in filetype.
- 25 Insufficient virtual storage is available.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

For DMSDSK, the reader file is saved. The status of the output file is unpredictable.

For DMSEDI, the edit session terminates. The status of the file is as it was before the edit session or at the execution of the last SAVE subcommand or automatic save. The RENUM workfile is erased. A workfile EDIT CMSUT1, may have been created on the input disk.

For DMSDSL, the condition of the DOSLIB file is unpredictable.

For DMSLBM, the condition of the MACLIB file is unpredictable.

For DMSLBT, DMSLST, DMSMOD, DMSRST, DMSTPD, and DMSUPD, the status of the output file is unpredictable.

For DMSRDC, the reader is closed with the HOLD option to preserve the file.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The status of the output file is unpredictable. The tape may not be in the same position as before the command was entered.

User Action: If you can determine the problem from the "Explanation" above and remedy the condition, retry the command. If not, retry the command and if the problem persists, call your system support personnel.

For DMSDSL, use the DOSLIB MAP function to verify DOSLIB integrity.

For DMSLBM, use the MACLIB MAP function to verify MACLIB integrity.

For DMSLIO, reissue the LOAD/INCLUDE sequence from the beginning, after checking the above error conditions.

106E JOB CARD FORMAT INVALID

Explanation:

1. The Batch Facility detected a missing or invalid userid or missing account number on the user /JOB card, or
2. The userid (if provided) does not exist in the VM/370 directory, or
3. A user /JOB card exit routine (BATEXIT2) returned a non-zero return code in general register 15.

System Action: The Batch Facility flushes the user job and continues with the next user job.

User Action: Resubmit the job to the Batch Facility with a valid userid and an account number in the Batch Facility /JOB card.

Routing: This message is displayed at the Batch Facility console during user job execution.

106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED

Explanation: The number of entries in the dictionary has exceeded the maximum of 1000.

System Action: RC = 88  
The system tries to write the dictionary up to and including the previous text deck; then it terminates execution of the command.

User Action: Either delete unnecessary members from the library and retry, or start another library.

107E CP/CMS COMMAND 'command, [device]' NOT ALLOWED

Explanation: The named CP or CMS command is not allowed under the CMS Batch Facility. If it is a CP command, the device is also displayed. If it is a CP LINK command, more than 10 (ten) LINK commands have been issued without compensating DETACH commands.

System Action: CMS continues with the next command in the user job.

User Action: You should not resubmit this command with any Batch job. If this was a LINK command reject, however, you can reissue the LINK command after detaching another disk.



Routing: This message is displayed at the Batch Facility console during user job execution. It will appear on the spooled console output sheet.

## 107S DISK 'mode [(cuu)]' IS FULL

Explanation: There is not enough space on the specified disk to write the file.

System Action: RC = 100  
Execution of the command terminates. Some records of the output file may have been written out.

User Action: Erase some files from the disk and reissue the command.

## 108E /SET CARD FORMAT INVALID

Explanation: The Batch Facility detected invalid information on user's /SET card. Possible errors include:

- No blank delimiters between entries
- Invalid keywords
- Noninteger values for settings
- Values for settings greater than installation limits.

System Action: The user job is flushed and the next batch job is started.

User Action: Correct the /SET card and resubmit the job to the Batch Facility.

Routing: This message is displayed at the Batch Facility console during user job execution. It will appear on the spooled console output sheet.

## 108S MORE THAN 8 LIBRARIES SPECIFIED

Explanation: Only eight MACLIBS (macro libraries) or TXTLIBS (text libraries) may be specified with a GLOBAL command.

System Action: RC = 88.  
Execution of the command terminates. The old MACLIB or TXTLIB list is cleared.

User Action: Regenerate the MACLIBS or TXTLIBS to include members from other MACLIBS or TXTLIBS, thereby reducing the number of libraries required for this terminal session.

## 109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

Explanation: A user job exceeded the named limit during execution. The limit was determined either by the user job through a /SET control card or by default to the installation settings.

System Action: The user job is flushed and the next batch job is started.

User Action: If the results are unexpected, debug the job before resubmitting it to Batch.

Routing: This message is displayed at the Batch Facility console during user job execution. It will appear on the spooled console output sheet.

## 109S VIRTUAL STORAGE CAPACITY EXCEEDED

Explanation: There is no more space available in your virtual machine to successfully complete execution of the command. Subsequent execution of certain CMS commands may result in the same problem.

For DMSACC, insufficient free storage remains to access the specified disk.

For DMSAMS, AMSERV was unable to obtain free storage for the terminal buffer to read the tape dnames.

For DMSBWR, a write buffer operation has attempted to write beyond the limits of the virtual machine's storage.

For DMSFCH, either the phase being fetched would exceed FREELOWE, or in the case of fetching a \$\$B transient phase, the transient routine would exceed the end of the transient area.

For DMSLBM, not enough virtual storage was available to contain the MACLIB dictionary.

For DMSLIO, the loading of text files has caused either the transient area or user area limit to be exceeded. Text file sizes are determined by the length fields of ESD statements. An incorrect value in the length field of an ESD statement may cause this condition.

For DMSSOP, the storage to be used for saving the original DCB is not available.

System Action:  
DMSBWR passes a return code of 22 to the program that called it, which then passes a return code of 104. DMSSMN terminates abnormally with ABEND code X'804' or X'80A'. DMSVIP abends with CMS ABEND code X'177'. All other modules that issue this message pass a return code of 104; execution of the command terminates, and the system status remains the same.

For DMSACC, the disk is not accessed. Any disk already accessed at the specified point in the search order is released, but not detached.

For DMSOVR, SVCTRACE is turned off if it was on.

For DMSLBM, if additions were being made to the MACLIB (GEN, ADD, or REP functions), it contains all successful additions made before storage was exceeded.

For DMSSOP, opening of the file is terminated.

User Action: In all cases, you can use the CP command DEFINE to increase the size of the virtual machine, or issue the CMS command RELEASE for any disk no longer needed, to free some of the virtual machine storage. Then IPL CMS again, and reenter the command.

Alternatively, you can do the following:

For DMSARN, DMSSMN, and DMSTPD, reduce the size of the program and retry.

For DMSDLB, clear old definitions that are no longer needed, and retry.

For DMSLBM, issue the MACLIB MAP command to determine the contents of MACLIB. Define additional storage with a CP DEFINE command. Continue processing with the remaining additions.

For DMSLIO, redefine loading locations (origin) or redefine the virtual storage size using the CP command DEFINE. Reissue the entire LOAD/INCLUDE sequence.

#### 109T VIRTUAL STORAGE CAPACITY EXCEEDED

Explanation: There is insufficient virtual storage available for file management control blocks.

System Action: The virtual machine is placed in a disabled wait state and the disk is not updated.

User Action: Issue the CP command DEFINE to increase the size of the virtual machine, IPL CMS again and reenter the command.

#### 110E CORRECT FORM IS: {DOSGEN|CMSXGEN} LOCATION (SEGNAME)

Explanation: An invalid form of the DOSGEN or CMSXGEN command has been specified.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command. 'segname' is optional; if you do not specify it, it defaults to CMSDOS for DOSGEN, or to CMSSEG for CMSXGEN.

#### 110S ERROR READING 'TAPn [(cuu)]'

Explanation: A permanent I/O error occurred while reading the specified tape, or the tape is not attached.

System Action: RC = 100  
Execution of the command terminates. For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified,

the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The tape may not be in the same position as before the command was entered.

User Action: If the tape is attached, make sure that it is the correct tape; rewind the tape via the TAPE REW command, position the tape, and retry. If the error persists, check the format of the tape for parity errors, missing tape marks, etc. For the TAPMAC command, if the problem persists, use the OS utility IEHMOVE to create the PDS again on another tape.

#### 111E {DOSGEN|CMSXGEN} FAILED DUE TO LOAD ERRORS

Explanation: Errors occurred when trying to load (using the Loader) CMS text decks into the discontinuous saved segment.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Print or display the file on the A-disk with filename and filetype 'LOAD MAP', which contains diagnostic messages. In some cases, Loader messages may precede this message. If this occurs, refer to the Loader message and follow the user action given.

#### 111S ERROR WRITING 'TAPn (cuu)'

Explanation: A permanent I/O error occurred when writing the specified tape.

System Action: RC = 100  
If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The tape may not be in the same position as before the command was entered.

User Action: Try issuing the command again. If the error persists, contact your system support personnel.

#### 112S 'mode (cuu)' DEVICE ERROR

Explanation: An error was encountered in trying to access the disk, either because it is an unsupported device, or because an I/O error occurred while reading in the master file directory from the device.

System Action: RC = 100.  
Execution of the command terminates. The system status remains the same unless another disk was replaced by this access, as indicated by message DMSACC724I.

User Action: If this is the first time that you are using this CMS disk, use the FORMAT command to format it. Reissue the command.

If the problem persists, contact your system support personnel.

113S {mode|DISK|PRINTER|PUNCH|READER|TAPn|TAPIN|TAPOUT} (cuu) NOT ATTACHED

Explanation: The specified device is not attached to the virtual machine. If the message is issued for a tape, it also may mean that the tape has not been mounted or the device is not ready.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same unless another disk was replaced by this access, as indicated by message DMSACC724I.

User Action: If the specified device is a disk, issue the CP command LINK to attach the disk to the virtual machine, or ask the system operator to attach the disk to your virtual machine.

If the specified device is a printer, punch, or reader, use the CP command DEFINE to attach it to your virtual machine.

If the specified device is a tape drive, ask the system operator to attach or mount the tape and ready the device.

Then reissue the command.

114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE

Explanation: Either the CMS/DOS environment is active and you are trying to load a program that uses OS macros, or the CMS/DOS environment is not active and you are trying to load a program that uses DOS macros. Neither of these situations is allowed.

System Action: RC = 40 or -0005  
The command is not executed.

User Action: Use the CMS command SET to set DOS on or off, and try again.

114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE

Explanation: The attached device is not supported by VM/370.

System Action: RC = 88  
Execution of the command terminates. The system status remains the same.

User Action: Attach a device that is supported by VM/370.

115E PHASE LOAD POINT LESS THAN 'address'

Explanation: The phase load point is less than the beginning of the user area.

System Action: RC = 40  
Execution of the routine terminates. The system remains in the same status as before the routine was entered.

User Action: Ensure that the phase load point is greater than or equal to the beginning of the user area by altering linkage editor control statements.

115S {CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL-DENSITY} FEATURE NOT SUPPORTED ON DEVICE 'cuu'

Explanation: The user has specified a tape mode setting that requires a feature not supported by the attached real device.

System Action: RC = 88  
The system remains unchanged; the tape device has not been repositioned.

User Action: Reissue the command using mode options (nTRACK, DEN, TRTCH) appropriate for the attached device; or attach a device with the appropriate features.

116S LOADER TABLE OVERFLOW

Explanation: There are too many entry point or control section names in the loader table built during loading.

System Action: RC = 104  
Loading is terminated.

User Action: IPL CMS again, redefine the number of loader tables with the SET command, and issue the LOAD/INCLUDE sequence (for DMSLIO) or the LOADMOD command (for DMSMOD).

117S ERROR WRITING TO DISPLAY TERMINAL

Explanation: An I/O error occurred when a DIAGNOSE command was issued to write to a display terminal during an EDIT session.

System Action: RC = 100  
The EDIT session is terminated. The virtual machine is placed in CMS mode.

User Action: Retry the EDIT session. If the problem persists, contact your system support personnel.

118S ERROR PUNCHING FILE ['fn ft fm']

Explanation: An input/output error occurred while punching the file.

System Action: RC = 100  
Some of the file may have been punched. The file being read is closed and an attempt is made to close the punch before terminating the command.

User Action: Reissue the command. If the problem persists, contact your system support personnel.

#### 119S UNSUPPORTED FORM OF 'macro' MACRO

Explanation: An unsupported or invalid form of the macro listed in the message has been executed by a user program.

System Action: CMS terminates abnormally with an ABEND code of X'400'.

User Action: Check your program for an invalid or unsupported form of the macro listed in the message.

#### 120S {IN|OUT}PUT ERROR CODE 'nn' ON 'ddname'

Explanation: The indicated error code was returned from an OS READ, WRITE, GET, or PUT macro.

The error code in the message is supplied only if the error was an INPUT or OUTPUT error, not if it was a FIND, POINT, BSP, or some other type of operation error. Error codes differ for the various types of devices. Error code meanings are listed below.

For DMSSCT, CMS issues this message if an I/O error is encountered by an OS CLOSE macro or if an I/O error is encountered by an OS CHECK, GET, or PUT macro and a SYNADAF routine is not specified by the user.

For DMSSVT, this message is built by the simulation routine for the SYNADAF macro; it is issued by a user SYNAD routine. If the message is printed by an OS program product SYNAD routine, the SYNAD routine will usually place a message number of its own in front of the message number listed above and append some information of its own to the end of the message.

System Action:  
For DMSSCT, CMS terminates abnormally with an ABEND code of 1.

For DMSSVT, the program continues to execute.

For DMSFCH, RC = 100 and execution of the command terminates.

User Action: Use the error code to determine the correct message and possible cause of the error.

#### ALL DEVICES

Code Meaning  
254 BSAM, BPAM, or BPAM-CHECK was called with an unposted ECB specified.

#### DISK INPUT

Code	Meaning
1	The file was not found.
2	The virtual storage area was not within the limits of the virtual machine.
3	A permanent disk error occurred.
5	The number of items was zero.
7	The fixed/variable flag in FST entry was not F or V.
8	The given storage area was smaller than the actual size of the item read. (Recoverable error; the number of bytes corresponding to the size of the buffer have been read.)
9	The file is open for writing; it must be closed before it can be read.
11	The number of items is greater than 1, for a variable-length file.
12	An unexpected end-of-file occurred (the item number specified exceeds the number of items in the file).
13	A variable-length file has an invalid displacement in the active file table.
80	An I/O error occurred while reading an OS data set or DOS file.
255	BDAM or BSAM (CREATE) - either: <ol style="list-style-type: none"> <li>1. A specification error occurred, or</li> <li>2. An I/O error occurred while reading or writing KEYS, or</li> <li>3. The XTENT option was not specified in the FILEDEF command, or the XTENT was too small.</li> </ol> BPAM - An I/O error occurred while reading in or writing out the directory of a MACLIB file.

Note: All errors except 8 (above) cause execution of the command to terminate. Error 8 is valid if reading the first portion of a large record into a small buffer.

#### DISK OUTPUT

Code	Meaning
1	The filename or filetype was not specified, or is invalid.
2	The virtual storage address is zero.
4	The first character mode was invalid.
5	The second character mode was invalid.
6	The number of records in the file is too large; it cannot exceed 65,533.
7	An attempt was made to skip over an unwritten variable-length item.
8	The number of bytes was not specified.
9	The file was already active for reading.
10	The maximum number of CMS files (3500) was reached.
11	The fixed/variable flag was not F or V.
12	The mode is S (system) or other read-only disk.
13	The disk is full.
14	The number of bytes to be written is not integrally divisible by the number of records to be written.
15	The length of this item is not the same as the previous item.
16	The fixed/variable flag is not the same as that of the previous record.

<u>Code</u>	<u>Meaning</u>
17	A variable-length item is greater than 65K bytes.
18	The number of items is greater than 1 for variable-length file.
19	The maximum number of data blocks per file (16060) was reached.
20	An invalid character was detected in the filename.
21	An invalid character was detected in the filetype.
255	BDAM or BSAM (CREATE) - either: 1. A specification error occurred, or 2. An I/O error occurred while reading or writing KEYS, or 3. The XTENT option was not specified in the FILEDEF command, or the XTENT was too small. BPAM - An I/O error occurred while reading in or writing out the directory of a MACLIB file.

CONSOLE INPUT

<u>Code</u>	<u>Meaning</u>
2	Invalid code - no read was issued.
12	A null line or end-of-file condition was encountered.

CONSOLE OUTPUT

None.

TAPE INPUT AND OUTPUT

<u>Code</u>	<u>Meaning</u>
1	An invalid function or option list was encountered.
3	A permanent I/O error occurred.
4	An invalid device identification was specified.
5	The tape was not attached.
6	The tape is file protected.
7	A serious tape error occurred.
12	An end-of-file or end-of-tape condition was encountered.

PRINTER

<u>Code</u>	<u>Meaning</u>
1	The buffer size is too large.
2	Channel 12 was sensed (virtual 3211 only).
3	Channel 9 was sensed (virtual 3211 only).
5	An unknown error occurred.
100	The device is not attached, or intervention is required.

CARD READER

<u>Code</u>	<u>Meaning</u>
2	The file was not read.
3	An unknown error occurred.
4	The device is not operational.
5	The count was not equal to the requested count.
8	The given storage area was smaller than the actual size of the item read. (Recoverable error; the number of bytes corresponding to the size of the buffer have been read.)

<u>Code</u>	<u>Meaning</u>
12	End-of-file was reached.
100	The device is not attached.

CARD PUNCH

<u>Code</u>	<u>Meaning</u>
2	An unrecoverable unit check occurred.
3	An unknown error occurred.
4	The device is not operational.
100	The device is not attached.

121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr

Explanation: The caller issued an SVC call, specifying a number that was not recognized by the CMS or CMS/DOS SVC handler.

The CMS SVC handler recognizes the following SVC numbers:

- SVC 202 (X'CA') and SVC 203 (X'CB') are always recognized by the CMS SVC handler, since these SVCs are used to specify CMS system functions and commands.
- A program may specify an SVC handling routine by means of the HNDSVC function. Until cleared, these SVC numbers are recognized by the SVC handler.
- Certain SVC numbers are supported by the OS macro simulation routines. There are two types of these simulation routines. The SVC numbers supported by the storage-resident CMS nucleus are always recognized by the SVC handler. Those supported by the disk-resident transient library are recognized by the SVC handler only if the file DMSSVT module can be found.
- Certain SVC numbers are supported by the DOS macro simulation routines. The SVC numbers supported by the shared segment resident routine are always recognized by the SVC handler.

System Action: After the error message is displayed, no further action is taken. Control returns to the routine that made the SVC call. For DMSDOS, RC = 100, and execution of the command terminates.

User Action: To stop execution of the program, type HX. You can remove the specified SVC call from the caller's program, or use the CMS SVC handler function (HNDSVC) to provide your own routine to handle the specified SVC.

122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxx)

Explanation: A CMS SVC (202 or 203) instruction was executed, and no provision was made for an error return from the routine processing the SVC call.

Nonetheless, an error occurred. "nnn" is the return code, in decimal, issued by the routine given in the message; "xxxxxx" is the same return code, in hexadecimal.

System Action: The system terminates abnormally with ABEND code X'OF3'.

User Action: If you enter DEBUG and type GO, control will return to the point to which a normal return would have been made. Register 15 will contain the error code.

## 123S ERROR PRINTING FILE 'fn ft fm'

Explanation: An I/O error was encountered while attempting to print a record. A unit exception or command reject may have occurred, or the record length may exceed the size of the printer.

System Action: RC = 100  
The printer is closed and execution of the command terminates.

User Action: If the length of the records in the file exceeds the size of the printer, you can change the records with the COPYFILE command. Reissue the command, and if the error persists, contact your system support personnel.

## 124S ERROR READING CARD FILE

Explanation: A permanent input/output error occurred when reading a specified file.

System Action: RC = 100  
Execution of the command terminates. The reader is closed with the HOLD option to attempt to preserve the file.

User Action: Reissue the command. If the error persists, contact your installation support personnel.

## 125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'

Explanation: An unrecoverable I/O error occurred on the specified disk.

System Action: RC = 100  
Execution of the command terminates. Some cylinders may have been formatted. If so, the number is indicated by message DMSFOR732I.

User Action: Contact your system support personnel.

## 126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'

Explanation: An unrecoverable I/O error occurred on the specified disk.

System Action: RC = 100.

Execution of the command terminates. The system status remains the same.

User Action: Contact your system support personnel.

## 127S UNSUPPORTED DEVICE FOR ddname

Explanation: The command does not support the device specified for the given ddname.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the FILEDEF command, specifying the correct device type, and retry the command. If the error persists, call your system support personnel.

## 128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname

Explanation: The SYNAD exit was taken in response to an OPEN, GET, or CLOSE macro on the DCB for the specified ddname. The meaning of the error code can be found in the explanation of message DMSxxx120S in this manual.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Correct the condition causing the I/O error, and retry.

## 129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname

Explanation: The SYNAD exit was taken in response to an OPEN, PUT, or CLOSE macro on the DCB for the specified ddname. The meaning of the error code can be found in the explanation of message DMSxxx120S in this manual.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Correct the condition causing the I/O error, and retry.

## 130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 8

Explanation: The FILEDEF for the ddname specifies a record format (RECFM) of V, but the specified blocksize (BLOCK) is less than eight.

Note: A block of a variable-length (V-format) file begins with a four-byte field giving the size of the block. Furthermore, each logical record within the block begins with a four-byte field

- specifying the size of that logical record. For that reason, a V-format file cannot have a blocksize less than eight.
- System Action: RC = 88  
Execution of the command terminates. The system status remains the same.
- User Action: Specify a blocksize of eight or greater, and retry.
- 131S IPL DEVICE WRITE I/O ERROR
- Explanation: An uncorrectable I/O error occurred while writing the nucleus.
- System Action: The system continues as if the user had responded "no" to DMSINI607R.
- User Action: Make sure that the nucleus cylinder number is not larger than the size of the disk. If it is, perform an IPL and specify the correct cylinder number. If it is not, call your system support personnel.
- 132S FILE 'fn ft fm' TOO LARGE
- Explanation: The specified file is too large for the user's virtual machine.
- System Action: RC = 88  
Execution of the command terminates. The system status remains the same.
- User Action: Split the file, or use the CP command DEFINE to increase the size of the virtual machine and reissue the command.
- 133S INVALID GETMAIN OR FREEMAIN SPECIFICATION
- Explanation: Either the user passed invalid parameters or the GETMAIN or FREEMAIN chain has been destroyed.
- System Action: The system terminates abnormally with ABEND code X'704', X'705', X'804', X'80A', X'905', X'90A', X'A05', or X'A0A'.
- User Action: Check for possible GETMAIN or FREEMAIN specification errors in the user program.
- 134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr.
- Explanation: SVC 203 was executed, and the halfword code following it was not recognized by the system.
- System Action: The system terminates abnormally with ABEND code X'0F1'.
- User Action: If you enter DEBUG and type GO, control will return to the point following the SVC call.
- 135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr
- Explanation: SVC recursion occurs when one SVC handling routine executes an SVC instruction which invokes another SVC handling routine which, in turn, executes an SVC instruction. This can happen, for example, when EXEC files make nested calls to other EXEC files.
- The CMS system does not allow the nesting level of SVCs to exceed 20, or the nesting level of EXECs to exceed 19.
- System Action: The system terminates abnormally with ABEND code X'0F2'.
- User Action: Type in the next command; this will cause ABEND recovery to take place.
- 136S UNABLE TO LOAD 'IDCAMs'.
- Explanation: The command has not been executed because Access Method Services could not successfully load the DOS/VS IDCAMS Access Method Services program.
- System Action: RC = 104  
Execution of the command terminates. The system status remains the same.
- User Action: Verify whether sufficient virtual storage is available to run Access Method Services under CMS/VSAM. If not, define a larger virtual machine, re-IPL CMS, and reissue the command. If sufficient storage was available, contact your system support personnel.
- 136T SVC CALL FROM addr ILLEGALLY RE-ENTERS INTSVC. RE-IPL CMS
- Explanation: The CMS nucleus has failed. An SVC instruction was executed unexpectedly by the CMS nucleus before interpretation of the preceding SVC call had been completed.
- System Action: The system terminates by loading a disabled wait state PSW.
- User Action: Issue the CP DUMP command to get a dump of virtual storage, save the output, and call IBM for software support. Then IPL CMS again.
- 137S ERROR nn ON STATE FOR fn ft
- Explanation: An error occurred while attempting to determine if a 'fn ft' exists that must be erased before continuing to load the tape.
- nn indicates the nature of the error; it may be one of the following:

Code Meaning

20 An invalid character appeared in the fileid.

36 The disk is not accessed.

System Action: RC=100

The tape is positioned within the data file.

User Action: If you can determine the problem from the "Explanation" and remedy the condition, retry the command. Otherwise, retry the command and if the problem persists, contact your system support personnel.

137T CALL TO routine FROM addr DESTROYED SYSTEM SAVE AREA. RE-IPL CMS

Explanation: A critical system control block was found to contain invalid information upon return from a function or command.

System Action: The system terminates by loading a disabled wait state PSW.

User Action: IPL CMS again.

138S ERROR nn ERASING fn ft BEFORE LOADING TAPE

Explanation: After determining that there was a file named 'fn ft' on the A disk, an attempt was made to erase it before continuing the PDS load from tape. However, the erase failed for the specified reason.

Code Meaning

24 The disk is read/only, or the option, parameter, mode, or fileid is invalid. Erase is not allowed.

28 The file was not found.

36 The disk is not accessed.

System Action: RC=100

Execution of the command terminates. The tape is positioned within the data file.

User Action: Access the A-disk in write mode and reissue the command.

138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY STACK, WITH MAX DEPTH 7.

Explanation: The DMSKEY key stack overflowed. For a complete description of the DMSKEY key stack, see the description of the DMSKEY macro in the VM/370: System Programmer's Guide.

System Action: The system terminates abnormally with ABEND code X'0F4'.

User Action: If you enter DEBUG and type GO, execution continues and the DMSKEY macro is ignored.

139S TAPE FILE EXCEEDS 9 CMS MACLIBS

Explanation: Nine CMS MACLIBS have already been created and there is still more data on the tape.

System Action: RC=104

Execution of the command terminates; the tape is positioned within the data file.

User Action: If possible, increase the ITEMCT value in order to create larger CMS files. If this is not possible, it may be necessary to use the TAPPDS command to load each member as a different file on the disk and then create the MACLIBS from the individual files using the MACLIB command.

139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK

139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK

Explanation: The DMSKEY key stack was empty and a program routine tried to delete one more key from it. For a complete description of the DMSKEY key stack, see the description of the DMSKEY macro in the VM/370: System Programmer's Guide.

System Action: The system terminates abnormally with ABEND code X'0F5'.

User Action: If you enter DEBUG and type GO, execution continues and the DMSKEY macro is ignored.

140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED

Explanation: CMS/DOS does not support the FEOVD, SEOV, or FEOV macros.

System Action: RC = 100

Execution of the command terminates.

User Action: Eliminate the unsupported macros from the user program and retry.

140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET.

Explanation: When control returned from a command or function, the DMSKEY key stack for that command or function was not empty. For a complete description of the DMSKEY key stack, refer to the description of the DMSKEY macro in the VM/370: System Programmer's Guide.

System Action: The system terminates abnormally with ABEND code of X'0F6'.

User Action: If you enter DEBUG and type GO, control will return from the function or command as if the key stack were empty.



141S {DOSGEN|CMSXGEN} FAILED DUE TO SAVESYS ERRORS

Explanation: Errors occurred while trying to issue the CP SAVESYS command to save the discontinuous shared segment.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: A CP error message was issued before this message. Locate the CP error message and follow the user action given.

141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee

Explanation: The specified hardware exception occurred at the specified location.

System Action: The system terminates abnormally with ABEND code X'0Cn', where n depends on the type of exception:

n	Type
0	Imprecise
1	Operation
2	Privileged operation
3	Execute
4	Protection
5	Addressing
6	Specification
7	Decimal data
8	Fixed-point overflow
9	Fixed-point divide
A	Decimal overflow
B	Decimal divide
C	Exponent overflow
D	Exponent underflow
E	Significance
F	Floating-point divide

User Action: Enter DEBUG mode to examine the PSW and registers at the time of the exception.

142S SAVED SYSTEM NAME 'name' INVALID

Explanation: The name specified with the SET command was not the same as one of the labels in the SYSNAMES table; that is, it was not CMSSEG, CMSDOS, CMSAMS, or CMSVSAM.

System Action: RC = 24  
Execution of the command terminates.

User Action: Reissue the command, specifying a valid name.

142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE

Explanation: The specified hardware exception occurred during a SPIE exit routine.

System Action: The system abends with ABEND code X'0Cn', where n depends on the type of exception.

n	Type
0	Imprecise
1	Operation
2	Privileged operation
3	Execute
4	Protection
5	Addressing
6	Specification
7	Decimal data
8	Fixed-point overflow
9	Fixed-point divide
A	Decimal overflow
B	Decimal device
C	Exponent overflow
D	Exponent underflow
n	Type
E	Significance
F	Floating-point divide

User Action: Enter DEBUG mode to examine the PSW and registers at the time of the exception.

143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE.

Explanation: Neither a CMS segment nor an EDMAIN load module is available.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Access a disk with an EDMAIN MODULE or use the SET command to ensure that the CMSSEG entry in the SYSNAMES table contains the name of an available CMS segment.

143T exception EXCEPTION OCCURRED AT addr in SYSTEM ROUTINE callee. RE-IPL CMS.

Explanation: The specified hardware exception occurred in a CMS system routine.

System Action: The CMS system halts by loading a disabled wait state PSW.

User Action: You may continue processing (with DEBUG) by using the CP command STORE PSW to turn off the wait state bit in the virtual PSW, leaving the address field unmodified; then type BEGIN.

Note, however, that the exception may have occurred in a vital system function, and so the system may no longer function properly. You may even lose your read/write disks. If this happens, re-IPL CMS.

144S REQUESTED FILE IS IN ACTIVE STATUS.

Explanation: The fileid specified in the EDIT command line is that of a file currently in use, or in active status. The read pointer for the file may be at any record in the file, which would cause that record to be read into storage by the Editor as the first record in the file. A subsequent FILE or SAVE command would result in loss of records prior to the

first record read into storage. This problem could exist if an EXEC is being executed which includes an EDIT command specifying the fileid of the EXEC.

System Action: Execution of the command terminates. The system status remains the same.

User Action: Ensure that the file is not active when the EDIT command is issued. In the EXEC example, change the EXEC and issue the EDIT command separately.

System Action: The system clears any stacked input lines and allows you to enter your next command.

If you enter the DEBUG command, DEBUG mode is entered with the PSW and registers set as they were when the ABEND occurred. If you enter any other command, the ABEND recovery routine releases all your virtual storage and reinitializes the command handling mechanism before executing your next command.

User Action: Enter a valid command.

144T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee WHILE 'UFDBUSY' = xx. RE-IPL CMS.

Explanation: A program exception occurred in a routine that updates the user file directory for a read/write disk.

System Action: The CMS system halts by loading a disabled wait state PSW.

User Action: You can continue processing by using the CP command STORE PSW to turn off the wait state bit in the virtual PSW, leaving the address field unmodified; then type BEGIN.

Note, however, that the exception may have occurred in a vital system function, and so the system may no longer function properly. You may even lose your read/write disks.

149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE HAVE BEEN DESTROYED. RE-IPL CMS.

Explanation: In attempting to recover from a system ABEND, the ABEND recovery routine discovered invalid data in some critical system storage area.

System Action: The CMS system halts by loading a disabled wait state PSW.

User Action: If you wish to continue ABEND recovery, use the CP command STORE PSW to turn off the wait state bit, leaving the address field unmodified; then type BEGIN. However, the system may be unable to continue operating properly, and, in the worst case, you may destroy your read/write disks.

150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED

Explanation: In attempting to recover from a system ABEND, not all system storage was recovered.

System Action: ABEND recovery proceeds as if storage recovery had been successful.

User Action: You may continue processing; your program should execute correctly. Note, however, that the amount of storage available to your program is reduced by the amount shown in the message.

145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}

Explanation: This message is issued if:

- The punch or printer is not ready.
- Spooling space is exhausted while a file is being punched or printed.

System Action: RC = 100  
If the punch or printer was not ready, the system status remains the same. If spooling space was exhausted, the file has been punched or printed up to the point where the space ran out, and the system operator has been notified of the condition.

User Action: Ready the punch or printer via the CP command READY. If spooling space was exhausted, ask the VM/370 system operator when spooling space will be available for punching or printing the file again.

152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS

Explanation: A system ABEND occurred in a routine that updates the user file directory for a read/write disk.

System Action: The system terminates by loading a disabled wait state PSW.

User Action: If you wish to continue ABEND recovery, use the CP command STORE PSW to turn off the wait state bit leaving the address field unmodified, and type BEGIN. However, the system may be unable to continue operating properly, and, in the worst case, you may destroy your read/write disks.

148T SYSTEM ABEND xxx CALLED FROM 'addr'

Explanation: The system detected a condition that made it impossible to continue execution of your program or command.

## 153W 'HX' DURING ABEND PROCESSING WAS IGNORED

Explanation: 'HX' was typed while the ABEND processing routine was in progress.

System Action: The system ignores the 'HX' and continues ABEND processing.

User Action: None.

## 154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED

Explanation: Insufficient free storage is available to allocate a save area for an SVC call.

System Action: The system terminates abnormally with ABEND code X'0F0'.

User Action: If the ABEND was caused by an error in the application program (such as an unending loop), fix the program and retry. If not, use the CP DEFINE command to increase the size of your virtual storage, re-IPL CMS, and retry.

## 155T USER ABEND nnnn CALLED FROM addr

Explanation: An ABEND macro was executed at the specified location.

System and User Action: The system clears any stacked input lines and allows you to type in your next command.

If the command you type in is DEBUG, DEBUG mode is entered with the PSW and registers set as they were when the ABEND occurred. If you enter any other command, the ABEND recovery routine releases all your virtual storage and reinitializes the command handling mechanism before executing your next command.

## 156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS

Explanation: The FROM option was given in the command line to specify the starting record of the copying operation, but the specified input file does not contain that many records.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same, with the following exceptions:

- If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.
- If the NEWFILE (the default), REPLACE, or OVLY option was specified and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

- If in multiple output file mode, several output files may have been created before the error was discovered.

User Action: Reissue the command, specifying a valid starting record.

## 157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'

Explanation: The PRLABEL option was specified in the command line, but the given label was not found in the specified input file.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same, with the following exceptions:

- If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.
- If the NEWFILE (the default), REPLACE, or OVLY option was specified and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

User Action: Reissue the command, specifying a valid label.

## 157S MACLIB LIMIT EXCEEDED [, LAST MEMBER ADDED WAS 'membername']

Explanation: While files were being added to a MACLIB, either the maximum CMS file size (65533 items) was exceeded or the MACLIB disk space was filled. If the error was detected while writing the first member to a MACLIB, the last part of the message is omitted and message DMSLBM213W is also issued. Otherwise, the member name of the last successful addition is displayed.

System Action: RC = 88  
Execution of the command terminates. All successful additions made before the limit was exceeded are contained in the MACLIB.

User Action: Issue the LISTFILE command to determine if the number of MACLIB items is approaching 65533. If so, no more macros may be added to the MACLIB: it is at the CMS file size limit. Generate another MACLIB.

Issue the QUERY command to see if the MACLIB disk is approximately 97 percent full. If so, more disk space must be found. Issue the MACLIB MAP command to determine the contents of MACLIB.

## 158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

Explanation: CMS/DOS does not support the reading or writing of the DOS/VS procedure library from the user program.

System Action: RC = 100  
Execution of the command terminates.

User Action: Correct the ten-byte field passed to DMSOPL (\$\$BOPNLB) to indicate source library processing. Then reissue the command.

159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY  
DMSFREE REQUEST FROM addr

Explanation: A DMSFREE request from the specified location could not be satisfied. If the request was variable, then even the minimum request could not be satisfied.

System Action: The system makes no further attempt to allocate storage, and takes further action depending on the type of DMSFREE call that was made:

- If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 1.
- If the call was unconditional and was made via SVC 203, a system ABEND 0F7 occurs.
- If the call was unconditional and was made by specifying TYPICAL=BALR in the DMSFREE macro, a system ABEND 0F8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required. In the case of a system ABEND, use DEBUG to attempt to recover from the situation.

160S JOB CANCELED DUE TO PROGRAM REQUEST

Explanation: The job has been canceled either by a CANCEL macro issued from the user's program, or from the CMS/DOS routine when an error was encountered during execution.

System Action: RC = 100  
Execution of the command terminates.

User Action: If the cancel was initiated by the user's request, no action is needed. If an error message precedes this message, follow the user action of the preceding message.

160T INVALID DMSFREE CALL FROM addr

Explanation: An invalid DMSFREE request was made. One of the following has occurred:

- A request was made for zero or negative number of doublewords.

- For variable requests, the minimum request was greater than the maximum. (Note that this error is never detected if the maximum request can be satisfied. This point can be important where a program that has run successfully suddenly fails when less storage is available.)

System Action: The system makes no further attempt to allocate storage, and takes further action depending on the type of DMSFREE call that was made:

- If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 4.
- If the call was unconditional and was made via SVC 203, a system ABEND 0F7 occurs.
- If the call was unconditional and was made by specifying TYPICAL=BALR in the DMSFREE macro, a system ABEND 0F8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required. In the case of a system ABEND, use DEBUG to attempt to recover from the situation.

161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'

Explanation: An error occurred during an EXCP (SVC 0) request. The error code indicates the type of error that occurred:

Code Meaning

- 1 No channel program(s) (CCW) address was specified in the CCB.
- 2 The logical unit specified in the CCB is unassigned.
- 3 The device specified for the logical unit in the CCB is unsupported.
- 4 An invalid CCW command code was found.
- 5 The logical unit specified in the CCB is assigned to an unknown disk.
- 6 An attempt has been made to write to a DOS-formatted disk.
- 7 A specified CCW command is unsupported in CMS/DOS.
- 8 An attempt has been made to read from a disk not in CMS, DOS, or OS format.

System Action: RC = 100  
Execution of the routine terminates.

User Action: Use the error code to determine and correct the possible cause of error.

161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn

Explanation: An invalid DMSFRET request was made from the specified address. The error number indicates the type of error that occurred:

Error

No. Meaning

- 5 The number of doublewords specified was zero or negative.
- 6 The block of storage being released was never allocated by DMSFREE. Such an error is detected if one of the following is found:
- The block does not lie entirely within those sections reserved for DMSFREE storage.
  - The block crosses a page boundary that separates a page allocated for TYPE=USER storage from a page allocated for TYPE=NUCLEUS storage.
  - The block overlaps another block already on the free storage chain.
- 7 The address given for the block being released is not doubleword aligned.

System Action: The system makes no further attempt to release the storage block, and takes further action depending on the type of DMSFRET call made:

- If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 5, 6, or 7.
- If the call was unconditional and was made via SVC203, a system ABEND 0F7 occurs.
- If the call was unconditional and was made by specifying TYPCALL=BALR in the DMSFREE macro, a system ABEND 0F8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required.

In the case of a system ABEND, use DEBUG to attempt to recover from the situation.

162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS

Explanation: A free storage management pointer in NUCON has been destroyed. The system cannot continue. The error code indicates the type of error that occurred:

Code Meaning

- 84 The current low EXTEND value (FREELOWE) is greater than VMSIZE.
- 85 The current low EXTEND value is below the beginning user of the area.

Code Meaning

86 Bytes in FREETAB are not within the valid range.

System Action: The system terminates by loading a disabled wait state PSW.

User Action: Re-IPL CMS.

163T {LOW|HIGH}-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn).

Explanation: The chain of all storage elements, from which DMSFREE storage with TYPE=USER (the default) is allocated, has been destroyed.

Since these storage pointers are unprotected, a user program may inadvertently destroy them without getting a protection violation. The "internal error code" in the error message is for error analysis by system programmers.

System Action: The system first displays message DMSFRE165T.

Next, the system attempts to recover sufficiently so that processing can continue at least to the point where ABEND recovery can be performed. It does this by zeroing out the chain header pointers for the destroyed chain. This effectively "loses" any storage that is on that particular chain, but it allows processing to continue. (Note that ABEND recovery will later recover all "lost" TYPE=USER storage.)

Further system action depends on the type of DMSFREE or DMSFRET call that was made:

- If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 2.
- If the call was unconditional and was made via SVC 203, then a system ABEND 0F7 is made.
- If the call was unconditional and was made by specifying TYPCALL=BALR in the DMSFREE macro, a system ABEND 0F8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required.

In the case of a system ABEND, use DEBUG to attempt to recover from the situation.

164T {LOW|HIGH}-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn). RE-IPL CMS.

Explanation: The chain of free storage elements, from which DMSFREE storage with TYPE=NUCLEUS is allocated, has been destroyed.

System Action: The system terminates by loading a disabled wait state PSW.

User Action: Issue the CP DUMP command to get a dump of virtual storage, and save the output for your system programmer. Then re-IPL CMS.

165T CHAIN HEADER AT addr: xxxxxx xxxxxx xxxxxx  
xxxxxx

Explanation: This message appears in conjunction with messages DMSFRE163T and DMSFRE164T. It indicates the contents of the DMSFRE chain header block for the destroyed chain.

System Action: See "System Action" for messages DMSFRE163T and DMSFRE164T.

User Action: See "User Action" for messages DMSFRE163T and DMSFRE164T.

166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn). RE-IPL CMS.

Explanation: The DMSFRE routine had an unexpected internal error. Furthermore, a check showed that all internal free storage pointers were valid.

System Action: The system terminates by loading a disabled wait state PSW.

User Action: Issue the CP DUMP command to get a dump of virtual storage, and save the output for your system programmer. Then re-IPL CMS.

167S PREVIOUS MACLIB FUNCTION NOT FINISHED

Explanation: A MACLIB GEN, ADD, REP, or DELETE function issued for this MACLIB was ended (for example via a HX command) prior to normal completion.

System Action: RC=88  
The current command is not executed. The system status remains the same.

User Action: The MACLIB status is unpredictable. Use the MACLIB GEN command to reconstruct the MACLIB.

167T FREE STORAGE MANAGEMENT ERROR, INTERNAL ERROR CODE nn

Explanation: An unexpected error occurred in the free storage management routine that handles DMSFREE and DMSFRET requests.

System Action: The system begins to check all free storage pointers for consistency to see if any have been destroyed. The system displays further diagnostic messages when inconsistencies are discovered.

User Action: Check the "User Action" for the further diagnostic messages that are produced.

168S PSEUDO REGISTER TABLE OVERFLOW

Explanation: (START or LOAD/INCLUDE START). The pseudo register index table is full. There are too many pseudo registers (external dummy sections) in the loaded files. This is a system restriction.

System Action: RC = 104  
Execution of the command terminates. The system status remains the same.

User Action: Correct the Assembler program and try again.

169S ESDID TABLE OVERFLOW

Explanation: An external symbol dictionary identification table overflow has occurred. The maximum number of external names per text deck (START or first CSECT to end card) is 255. This is a system restriction.

System Action: RC = 104  
Loading stops. The system status remains the same.

User Action: Divide your program into smaller units and try again.

170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF FILES

Explanation: 3400 files have been written. If any additional files were written, the disk area that contains the file status table blocks would overflow.

System Action: RC = 10  
The file is not written. The system status remains the same.

User Action: Erase some files from the disk.

171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

Explanation: Either the terminal is not operational (for example, Start I/O trouble has occurred) or the status of the terminal is unexpected (for example, channel errors, or bad interrupt sequence).

System Action: The system terminates by loading a disabled wait state PSW. The wait state PSW contains the CMS nucleus address where the error occurred.

User Action: Re-IPL CMS.

172E TO LABEL 'label' {EQUALS|IS AN INITIAL SUBSTRING OF} FRLABEL 'label'

Explanation: The TOLABEL and FRLABEL options were specified. Either both labels were equal, or the TOLABEL was an initial substring of the FRLABEL label (as 'ABC' is an initial substring of 'ABCD'). This is an error condition because it implies that no records whatsoever are to be copied to the output file.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct and reissue the command.

173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fn'

Explanation: The options specified for the input files caused no records to be copied. This will happen, for example, if the FRLABEL label appears in the first record of each (or the only) input file being copied to the output file.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same, with the following exceptions:

- If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.
- If the NEWFILE (the default), REPLACE, or OVLY option was specified and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.
- If in multiple output file mode, several output files may have been created before the error was discovered.

User Action: Correct and reissue the command.

174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '.....' TO '.....'

Explanation: The updating procedure caused a sequence error to be introduced into the output file. That is, in the output file there were two records (with the sequence numbers shown in the warning message) such that the sequence number in the first record was equal to or exceeded the sequence number in the second.

System Action: RC = 8  
The invalid sequence numbers are left in the records, which are written to the output file. Update processing continues, and, if the CTL option was specified, additional update passes are made.

If several warning messages are generated during the updating process, the final return code passed by the UPDATE command will be the highest of all return codes (4 or 8 or 12) associated with the warning messages. The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname filetype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Probably, the resequencing field following the '\$' in the last update control card contained invalid data. Correct the invalid control card in the update file, and reissue the UPDATE command.

176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '.....'

Explanation: When the resequencing increment was added to the sequence number shown, the result overflowed the maximum sequence number. If the SEQ8 option is in effect, the maximum sequence number is 99999999. If the NOSEQ8 option is in effect, however, the maximum sequence number is 99999.

System Action: RC = 8  
The new sequence number is truncated on the left to 8 or 5 digits (depending on the status of the SEQ8 option). A sequencing error is introduced into the output file.

Update processing continues, and, if the CTL option was specified, additional update passes will be made. If several warning messages are generated during the updating process, the final return code passed by the UPDATE command will be the highest of the return codes (4 or 8 or 12) associated with the warning messages.

The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname filetype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Probably, the resequencing field following '\$' in the last update control card contained invalid data. Correct the invalid control card in the update file, and reissue the UPDATE command.

177I WARNING MESSAGES ISSUED (SEVERITY = nn).  
['REP' OPTION IGNORED.]

Explanation: Warning messages were issued during the updating process. The severity shown in the error message in the "nn"

field is the highest of the return codes associated with the warning messages that were generated during the updating process. The warning return codes have the following meanings:

Code Meaning

- 4 Sequence errors were detected in the original source file being updated.
- 8 Sequence errors that did not formerly exist in the original source file being updated were introduced in the output file during the updating process.
- 12 Any other nonfatal error detected during the updating process has a return code of 12. Such errors include invalid update file control cards and missing PTF files.

System Action: The severity value is passed back as the return code from the UPDATE command. In addition, if the REP option was specified in the command line, it is ignored, and the updated source file has the fileid '\$fname ftype', as if the REP option had not been specified.

User Action: Refer to the warning messages that were issued and correct the errors.

178I UPDATING ['fn ft fm'] WITH 'fn ft fm'

Explanation: The specified update file is being applied to the source file. This message appears only if the CTL option has been specified in the command line.

System Action: The updating process continues.

User Action: None.

179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'

Explanation: The CTL option was specified, but the control file did not contain exactly one 'MACS' control card.

System Action: RC = 32  
Execution of the command terminates. The system status remains the same, with the following possible exceptions:

- If a file with the fileid "\$fname ftype" existed on the output disk before the command was entered, this file may have been erased.
- If the DISK option was in effect, and if a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.
- If the CTL option was in effect, and if a file with the fileid "fname UPDATES" existed on the output disk before the

command was entered, this file may have been erased.

- If update processing had begun before the error was detected, any or all of the following files may have been created on the output disk by the UPDATE command:

```
UPDATE CMSUT1
  $fname ftype
  fname UPDLOG - if the DISK option was
                in effect
  fname UPDATES - if the CTL option was in
                effect
```

User Action: Correct the invalid control file and reissue the UPDATE command.

179I COMPARING 'fn ft fm' WITH 'fn ft fm'

Explanation: The specified files are being compared.

System Action: Processing continues.

User Action: None.

180W MISSING PTF FILE 'fn ft fm'

Explanation: An AUX file indicated that the specified PTF file was to be applied as an update file, but the file could not be found. Either the AUX file contains invalid data, or a PTF file is missing.

System Action: RC = 12  
Application of the PTF file is skipped. Update processing continues, and, if the CTL option was specified, additional update passes are made.

If several warning messages are generated during the updating process, the final return code passed by the UPDATE command will be the highest of all return codes (4 or 8 or 12) associated with the warning messages.

The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid data in the AUX file, or use the ACCESS command to access the disk containing the missing PTF file.

181E NO UPDATE FILES WERE FOUND

Explanation: The CTL option was specified, but none of the update and PTF files specified by the control file and the AUX file(s) were found. As a result, no updates at all were applied to the original source file.



System Action: RC = 40

Execution of the command terminates, since no updating can be performed. If the STK option was specified, the two lines of stacked data were placed on the stack before this error, so that they will still be available to an EXEC that invoked the UPDATE command.

This situation may or may not be an error situation. The return code, 40, is unique in that no other UPDATE error message has that value as a return code. Thus, the same EXEC can be used to assemble source files that have updates against them, and those that have no updates against them. The latter situation can be detected by testing for a return code of 40, and by assembling the "fname" file rather than the "\$fname" file.

User Action: If this is not an error condition, no action need be taken. If this is an error condition, it is the result of either missing update or PTF files, or invalid data in the control file. Either correct the invalid data or recover the missing files, and reexecute the command.

## 182W SEQUENCE INCREMENT IS ZERO

Explanation: A sequence increment of zero was specified either in a './ S' control card, or in the '\$' field of a './ I' or './ R' control card.

System Action: RC = 8

Although the warning message is issued, the sequence increment of zero is actually used, in case that was what the user wanted. Update processing continues, and, if the CTL option was specified, additional update passes will be made.

If several warning messages are generated during the updating process, the final return code issued by the UPDATE command will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Unless you intentionally specified a sequence increment of zero, correct the invalid update control card and reissue the UPDATE command.

## 183E INVALID {CONTROL|AUX} FILE CONTROL CARD

Explanation: An invalid control card was found in an AUX file or a control file.

System Action: RC = 32

Execution of the command terminates. The system status remains the same, with the following possible exceptions:

- If a file with the fileid "\$fname ftype" existed on the output disk before the command was entered, this file may have been erased.
- If the DISK option was in effect, and if a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.
- If the CTL option was in effect, and if a file with the fileid "fname UPDATES" existed on the output disk before the command was entered, this file may have been erased.
- If update processing had begun before the error was detected, then any or all of the following files may have been created on the output disk:

UPDATE CMSUT1

\$fname ftype

fname UPDLOG - if the DISK option was in effect.

fname UPDATES - if the CTL option was in effect.

User Action: Correct the invalid control card and reissue the UPDATE command.

## 184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED

Explanation: A './ S' control card was encountered in the update file, but it was not the first noncomment card in the update control file.

System Action: RC = 12

The invalid card is ignored. Update processing continues, and, if the CTL option was specified, additional update passes will be made. If several warning messages are generated during the updating process, the final return code issued by the UPDATE command will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages. The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname ftype". See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the update file by moving the './ S' control card to the beginning of the update file. Then reissue the UPDATE command.

## 185W INVALID CHAR IN SEQUENCE FIELD '.....'

Explanation: An update file control card specified a sequence number that contained an invalid character. Only the digits 0 through 9 may be used to specify a sequence number.

System Action: RC = 12

The invalid update control card is ignored. Furthermore, any cards following it, up to the next './' card in the update file, will be ignored. Update processing continues, and, if the CTL option was specified, additional update passes will be made.

If several warning messages are generated during the updating process, the final return code issued by the UPDATE command will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

## 186W SEQUENCE NUMBER '.....' NOT FOUND

Explanation: A sequence number specified by an update file control card could not be found in the input file. An input sequence number higher than the one specified was found.

System Action: RC = 12

The input file is positioned at the record whose sequence number exceeds the sequence number being searched for.

- If the invalid sequence field was the first argument of a './ R', './ I', or './ D' operation, all records encountered up to that point were copied to the output file.
- If the invalid sequence field was the second argument of a './ R' or './ D' operation, records encountered up to that point were not copied, and so were, in effect, deleted.

In any event, no further deleting or inserting takes place for that control card, and any cards following this card, up to the next './' card in the update control file, are ignored. Update processing continues, and, if the CTL option was specified, additional update passes will be made.

- If several warning messages are generated during the updating process, the final return code issued by the UPDATE command will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

The REP option, if it was specified, is ignored, and the final update deck will have the fileid "\$fname ftype".

See the "Explanation" of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

## 187E OPTION 'STK' INVALID WITHOUT 'CTL'

Explanation: The STK option was specified with the UPDATE command. This option requires the CTL option, but CTL was not specified in the command line.

System Action: RC = 24

Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying the CTL option.

## 190W INVALID CONTROL RECORD OR NO GO SWITCH SET.

Explanation: Either the input control record was invalid or the NO GO switch was previously set. If the NO GO switch was not previously set, the input control record is invalid, and this causes the NO GO switch to be set at this time.

System Action: RC = 4

Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Determine the cause of the error and correct it; then reissue the command.

## 191W PATCH OVERLAPS - SET NO GO SWITCH.

Explanation: The VER or REP displacement, or the DUMP start or end address, did not fit completely within the CSECT or MODULE.

System Action: RC=4

Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Correct the displacement field or the start or end address of the control record and reissue the command.

## 192W ERROR - ODD NUMBER OF DIGITS - SET NO GO SWITCH.

Explanation: Either an address or a data field of a control record had an odd number of digits.

System Action: RC=4

Execution of the command continues. All REP control records are ignored until the

next NAME or END control record is encountered.

User Action: Enter an even number of digits and reissue the command.

193W PRECEDING CONTROL RECORD FLUSHED.

Explanation: The NO GO switch was set by a previous control record and has not been reset.

System Action: RC = 4  
Execution of the command continues.

User Action: A previous error message was issued. Check the "User Action" for that message.

194S BOOK 'subl.book' CONTAINS BAD RECORDS

Explanation: The book being copied contains invalid source statement library records.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: Re-catalog the book on the system or private source statement library and retry the command.

194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} - SET NO GO SWITCH

Explanation: The specified CSECT was not found in a library member or a module loader table.

System Action: RC=4  
Execution of the command continues. All control records are ignored until the next NAME or END control record is encountered.

User Action: The control record with the invalid CSECT name has been printed at the printer or displayed at your terminal. Check the member or module for the proper CSECT name and reissue the command.

195W BASE VALUE INVALID - SET NO GO SWITCH.

Explanation: The BASE address did not match the CSECT address.

System Action: RC = 4  
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Insert the proper address in the BASE control record and reissue the command.

200W VERIFY REJECT - SET NO GO SWITCH.

Explanation: For DMSZAP, the data on the VER or VERIFY control record is not exactly the same as the data at the specified location in the specified file.

System Action: RC=4  
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Determine the proper control information and correct the VER control record. Delete from the input stream any other VER-REP pairs that were processed successfully. Then reissue the command.

201W THE FOLLOWING NAMES ARE UNDEFINED:

Explanation: A list of names of unresolved external references is displayed. A name entered with the command is considered an unresolved external reference if no text file with that name can be located.

System Action: RC = 4  
Loading is completed.

User Action: None; or, obtain access to the files containing the unresolved references and issue the INCLUDE command.

202W DUPLICATE IDENTIFIER 'identifier'

Explanation: A CSECT or entry point name was encountered more than once in the input stream to the loader.

System Action: RC = 4  
Only the first CSECT is loaded. Program execution may not proceed as expected. All references are resolved to the first name.

User Action: Reassemble the program with a different identifier substituted for the duplicate.

203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED

Explanation: A name was specified on an SLC card in the loader input stream and that name had not yet occurred as an external name in the loader text file.

System Action: RC = 4  
The card is ignored.

User Action: None; or, check the name on the SLC card.

205W READER EMPTY OR NOT READY

Explanation: Either the card reader contains no files, or it has not been readied.

The card reader may contain a file spooled from a virtual punch or printer that contains CCWs only, and no data. Thus, this message is issued even though the file contains no data.

System Action: RC = 8  
Execution of the command terminates. The system status remains the same.

User Action: Close the card reader and reissue the command, if the reader contains any files.

#### 206W PSEUDO REGISTER ALIGNMENT ERROR

Explanation: A pseudo register with the same name as a previous pseudo register but with more restrictive alignment was encountered.

System Action: RC = 4  
Processing continues. All references to the particular pseudo register will have the less restrictive alignment.

User Action: None.

#### 207W INVALID UPDATE FILE CONTROL CARD

Explanation: An invalid control card was found in the update file. Some of the errors that cause this message to be issued are:

- The first card in the update file was not a control card.
- The first card following a './S' or a './D' or a './\*' was not a control card.
- The operation field was missing, invalid, or contained more than one character.
- The label field of a './S' card contained more than three characters.
- An invalid sequence field was specified, or a required sequence field was missing.
- In a './D' or './R', the delete or replace ending specification was smaller than the starting specification.

System Action: RC = 12  
The invalid sequence fields are ignored, and processing continues. However, an incorrectly sequenced source file cannot always be properly updated.

Update processing continues, and, if the CTL option was specified, then additional update passes are made. If several warning messages are generated during the updating process, the final return code when the UPDATE command has completed all processing will be the maximum of all return codes (4 or 8 or 12) associated with the generated

warning messages. The REF option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname filetype". See the "Explanation" of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

#### 208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT.

Explanation: The specified file did not have a variable record format.

System Action: RC=24  
Execution of the command terminates. The system status remains the same.

User Action: Verify that 'fn ft' is the desired file. If it is, use the COPYFILE command to change the record format of the file.

#### 209W FILES DO NOT COMPARE

Explanation: The two files the user requested compared on a line-for-line, column-for-column basis, do not match.

System Action: RC = 4  
The comparison of the files has been completed. The lines that do not match have been displayed at the terminal.

User Action: You can correct the file containing the incorrect lines using the EDIT command.

#### 210E {LIBRARY|FILE} 'fn ft' IS ON A READ/ONLY DISK.

Explanation: The specified file or library is on a read-only disk and must be on a read/write disk.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: Verify that the correct file or library was specified in the command. If it was, either access the disk in read/write mode, or erase the existing file or library with the same name. Reissue the command.

#### 210W INPUT FILE SEQUENCE ERROR: '.....' TO '.....'

Explanation: In reading the input source file, two records were found, with the displayed sequence fields, such that the sequence number in the first was equal to or exceeded the sequence number in the second.

System Action: RC = 4  
The invalid sequence fields are ignored, and update processing continues. However, an incorrectly sequenced source file cannot always be properly updated.

If the CTL option was specified, then additional update passes will be made. If several warning messages are generated during the updating process, the final return code when the UPDATE command has completed all processing will be the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

The REP option, if it was specified, will be ignored, and the final update deck will have the fileid "\$fname ftype".

See the "Explanation" of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid source file and reexecute the UPDATE command.

#### 212E MAXIMUM NUMBER OF RECORDS EXCEEDED

Explanation: The storage size of the virtual machine is not large enough to contain the size and number of sort files specified.

System Action: RC = 40  
Execution of the command terminates. The system status remains the same.

User Action: Compute the storage size required for this sort using the format given in the description of the CMS SORT command in the VM/370: CMS Command and Macro Reference. Redefine storage as large as necessary using the CP DEFINE command, and issue the SORT command again.

#### 213W LIBRARY 'fn ft fm' NOT CREATED

Explanation: None of the files to be included in the library file could be found. Or, a library to be compressed appears to have no active members.

System Action: RC = 4  
Execution of the command terminates. The system status remains the same. The new library is not created. Also, for DMSDSC, the old library is erased.

User Action: For DMSLBM and DMSLBT, obtain access to the desired file and/or correct the spelling of the names and reissue the command. For DMSDSL, no action is necessary.

#### 214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE

Explanation: The number of cylinders specified in the FORMAT command cannot contain all the data on the disk.

System Action: RC = 8  
Execution of the command terminates. The system status remains the same.

User Action: Either erase some of the files on the disk or increase the number of cylinders to be formatted and reissue the command.

#### 215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS

Explanation: The user has disconnected his virtual console.

System Action: The CMS system uses a special interface with CP to display this message. It then terminates by loading a disabled wait state PSW.

User Action: Redefine a virtual console with the CP DEFINE command, and re-IPL CMS.

#### 220R ENTER DATA SET NAME:

Explanation: A command was entered with the ? or DSN ? operand. The command expects an OS data set name or DOS file-id to be entered.

System Action: The system waits for a response.

User Action: Enter an OS data set name exactly as it appears in the data set (in the form q1.q2.qn) where q1, q2, and qn are the qualifiers of an OS data set name). Or enter a DOS file-id exactly as it appears in the file.

#### 221E INVALID DATA SET NAME

Explanation: An invalid OS data set name or DOS file-id was specified in the command line.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a valid data set name.

#### 222E I/O ERROR READING 'datasetname' FROM {'fm'|OS|DOS} DISK

Explanation: An I/O error occurred while reading the specified OS data set or DOS file from an OS or DOS disk. For DMSLDS, an I/O error occurred while reading the member directory in DMSROS.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same.

User Action: Correct the cause of the I/O error and reissue the command.

## 223E NO FILEMODE SPECIFIED

Explanation: A filemode was not specified in the command line.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying a filemode.

## 224E FILEID ALREADY IN USE

Explanation: The DSN option was specified and another FILEDEF is outstanding with a different ddname and the same fileid.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a different fileid.

## 225I PDS MEMBER 'membername' MOVED

Explanation: The specified member of an OS PDS (partitioned data set) has been moved successfully to a CMS file.

System Action: MOVEFILE continues moving PDS members to CMS files until the end of the file is reached.

User Action: None.

## 226E NO DATA SET NAME ALLOWED WITH FREE OPTION.

Explanation: A data set name must not be specified with the FREE option of the LISTDS command.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Correct the command line and retry.

## 226I END OF PDS MOVE

Explanation: The last member of the PDS (partitioned data set) has been moved successfully to a CMS file.

System Action: Execution of the command terminates. The system status remains the same.

User Action: None.

## 227I PROCESSING VOLUME 'nn' IN DATA SET 'data set name'

Explanation: The specified OS data set or DOS file is multivolume. The number of the volume being processed is specified in the error message. End-of-volume is treated as end-of-file and there is no end-of-volume switching.

System Action: Execution continues.

User Action: None.

## 227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK

Explanation: The high extent for the subject data set indicates a relative track number lower than that for the low extent of the data set.

System Action: RC = 4  
Execution continues.

User Action: For further investigation, use the CMS command DDR to locate and dump the DSCB containing the invalid extent.

## 228E NO DDNAME ENTERED

Explanation: When prompted for the ddname corresponding to the 'dname' entry for the tape dataset in the Access Method Services control statement, the user entered a null line.

System Action: RC = 24  
AMSERV does not execute the Access Method Services job. The system status remains the same.

User Action: Find the 'dname' entries for the tape dataset(s) in the Access Method Services jobstream and reissue the AMSERV command.

## 228I USER LABELS BYPASSED ON DATA SET 'data set name'

Explanation: The specified OS data set or DOS file has a disk user label. The user labels are automatically skipped and the DCBEXLST routine, if specified, is ignored. This message is issued when the OS File Status Table (FST) is created. This occurs during the execution of the first FILEDEF command defining the OS ddname. Reissuing the same FILEDEF command without reaccessing the disk does not create a new OS FST, and the message is therefore not issued again.

System Action: Execution continues.

User Action: None.

229E UNSUPPORTED OS DATA SET, ERROR 'code'

Explanation: The specified OS data set or DOS file is not supported by CMS OS access routines. The error code meanings are as follows:

Code Meaning

80 An I/O error occurred while an OS data set or DOS file was being read.

81 The file is an OS read-password-protected data set or a DOS file with the input security indicator on.

82 The OS data set or DOS file is not BPAM, BSAM, or QSAM.

83 The OS data set or DOS file has more than 16 user label and/or data extents.

System Action: RC = 80, 81, 82, or 83 Execution of the command terminates. The system status remains the same.

User Action: If the error code is 81, 82, or 83, you cannot use CMS OS Access to read the OS data set or DOS file. If the error code is 80, determine the cause of the error, and if the OS data set or DOS file is good, retry the command.

229I NO MEMBERS FOUND.

Explanation: No members exist in a partitioned data set.

System Action: None.

User Action: Determine whether the data set you specified is the correct one, and if so, why it contains no members. Correct the condition and reissue the command.

230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

Explanation: The number of exit routines for VSAM data sets (both active and inactive) has exceeded the maximum of 128 for the run unit.

System Action: The system terminates abnormally with ABEND code X'177'.

User Action: Reduce the number of exit routines for VSAM data sets and reexecute the program.

230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED

Explanation: The specified OS or DOS disk has been accessed, but the specified fileid and/or options are not valid and have been ignored.

System Action: RC = 4 Execution of the command continues.

User Action: None.

231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK

Explanation: An I/O error was encountered while reading the VTOC from the specified disk.

System Action: RC = 28 Execution of the command terminates. The system status remains the same.

User Action: Correct the cause of the I/O error and reenter the command.

233I NO FREE SPACE AVAILABLE ON 'fm' DISK.

Explanation: All tracks on the specified disk are allocated.

System Action: None.

User Action: If the disk is an OS or DOS disk, use one of the OS or DOS utilities to reformat the disk (if you no longer need any of the data on it) or delete some data sets. If it is a VSAM disk, use Access Method Services to delete some clusters and data spaces.

240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'

Explanation: Either the user did not provide a read/write A-disk for use by the CMS loader, or some other error was encountered while loading the READ OS routine 'DMSROS TEXT'.

System Action: Execution of the command terminates. The system status remains the same.

User Action: Access a read/write A-disk if one is not already accessed. If a read/write A-disk was provided, correct the cause of the I/O error on the system disk or A-disk. Then reissue the command.

245S ERROR 'nnn' ON PRINTER.

Explanation: An unrecoverable error occurred when writing a line to the printer, and an error code was passed to the calling module from DMSPIO. nnn indicates the nature of the error; it may be one of the following:

Code Meaning

4 An intervention is required.  
5 An unknown error occurred.  
100 The printer is not attached.

System Action: RC = 100 Execution of the command terminates. The output files contain all changes made up to the last control record operation.

User Action: If you can determine the problem from the above information and correct the condition, reissue the command; otherwise reissue the command and if the error persists, contact your system support personnel.

246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH.

Explanation: A CSECT name was specified for a module that was generated with the NOMAP option.

System Action: RC = 4  
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Either regenerate the module with the MAP option, or do not use a CSECT name; then reissue the command.

247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH.

Explanation: The specified member was not found.

System Action: RC = 4  
Execution of the command continues. All control records are ignored until the next NAME or END control record is encountered.

User Action: Reissue the command with a valid member name.

248W INVALID VER/REP DISP - SET NO GO SWITCH.

Explanation: The displacement specified in a VER or REP control record includes an area that is undefined, for example, a Define Storage (DS) area.

System Action: RC = 4  
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered. If the operation is REP, the file being operated on may be modified.

User Action: Verify that instructions or data are at a specific displacement and reissue the command.

299E INSUFFICIENT STORAGE TO COMPLETE UPDATE.

Explanation: The update is being performed in storage but there is insufficient storage to insert the next update line.

System Action: RC = 41  
Execution of the command terminates. The system status remains the same.

User Action: Issue the command again, specifying NOSTOR on the command line. This will cause updates to be performed on disk.

300E INSUFFICIENT STORAGE TO BEGIN UPDATE.

Explanation: An update is being performed in storage, but there is insufficient storage available to contain the entire input source file.

System Action: RC = 41  
If the keyword STOR was specified on the command line, execution of the command terminates. The system status remains the same. If the keyword STOR was not specified, the update continues and is performed on disk. No RC = 41 is issued in this case.

User Action: If RC = 41, issue the command again, specifying NOSTOR in the command line. This will cause updates to be performed on disk. Otherwise, no action is necessary.

301E 'SYSxxx' NOT ASSIGNED FOR DISK 'fm'

Explanation: No ASSGN command has been issued prior to the DLBL command associating the named DOS logical unit with a CMS disk.

System Action: RC = 36  
Execution of the command terminates. The definition does not take effect.

User Action: Issue an ASSGN command for each of the DOS logical units specified in the DLBL, and then reissue the DLBL command.

302E NO SYSXXX OPERAND {ENTERED|SPECIFIED}

Explanation: No SYSxxx operand was entered to associate the specified disk mode with a DOS logical unit. Or, in the case of DTFCP, the DEVADDR operand was missing from the DTFCP macro and no SYSxxx was specified with the DLBL command. This message appears only if the user is in the CMS/DOS environment.

System Action: RC = 24  
Execution of the command terminates. The definition does not take effect.

User Action: Reenter the DLBL command specifying a DOS logical unit for each disk specified. In the case of DTFCP, specify a DEVADDR operand with the DTFCP macro and with the associated DLBL command.

303E NO SYSXXX SATISFIES REQUEST

Explanation: A request was made for LISTIO A or LIISTIO UA, but no logical units satisfied the request.

System Action: RC = 28  
Execution of the command terminates. The system status remains the same, except when the EXEC option was specified and there was an existing \$LISTIO EXEC file. In this case the \$LISTIO EXEC file is erased.



User Action: Insure that the correct request has been made.

## 304E INVALID OPERAND VALUE 'value'

Explanation: The value specified is not valid for one of the following reasons:

- It is larger than 10 digits.
- It is a nonnumeric value.
- The number is greater than  $2^{31}-1$  for track numbers.
- The number is greater than 999999 for BUFSP size.

This message is also displayed if a null line is entered as the first specification for the EXTENT option of the DLBL command.

System Action: RC = 24  
Execution of the command terminates. The definition does not take effect.

User Action: Reissue the command, specifying the appropriate values for all entries.

## 304I UPDATE PROCESSING WILL BE DONE USING DISK.

Explanation: An update is being performed in storage, and there is insufficient storage available to contain the entire input source file. The keyword STOR was not specified on the command line. The update processing will continue with the update being performed on disk.

System Action: The updating process continues.

User Action: None.

## 305E INCOMPLETE EXTENT RANGE

Explanation: Only the starting relative track number was specified for an extent range. The number of tracks must also be specified.

System Action: RC = 24  
Execution of the command terminates. The definition does not take effect.

User Action: Reissue the command with the proper extent specifications including the number of tracks.

## 306E SYSxxx NOT ASSIGNED FOR 'IGNORE'.

Explanation: When the DUMMY operand is used for a data set, the logical unit address must have been assigned with the IGN operand before the DLBL command was issued.

System Action: RC = 36  
No new definition for the data set is created. If one already exists, it remains unchanged.

User Action: Either reissue the DLBL command using a valid disk mode, or issue 'ASSGN SYSxxx IGN' followed by the original DLBL command using the DUMMY operand.

## 307E CATALOG DDNAME 'ddname' NOT FOUND

Explanation: The user catalog 'ddname' referenced by the CAT option has not been defined by a previous DLBL command.

System Action: RC = 24  
Execution of the command terminates. The definition does not take effect.

User Action: Reissue the command, specifying the CAT option with a previously defined ddname. Or issue a DLBL command for the user catalog ddname and then reissue the DLBL command for the subject data set.

## 308E 'mode' DISK IN [NON-]CMS FORMAT; INVALID FOR [NON-]CMS DATASET

Explanation: The user has specified a CMS fileid ('CMS fn ft') but references a disk that is in non-CMS (for example, OS or DOS) format. Or the user has specified a non-CMS fileid ('DSN datasetname') but references a CMS disk. The references to disk include not only the disk mode in the command line but also the mode in MULT and EXTENT specifications. This message is also issued if the user specifies 'CMS' for file identification but uses one of the VSAM options (for example, CAT or BUFSP) with it.

System Action: RC = 24  
The command terminates with no change to the current definition of DLBL since the new definition does not take effect.

User Action: Reissue the command with a disk mode appropriate for the data set.

## 320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED

Explanation: Nine (9) disks have been specified for a multivolume VSAM data set. This is the maximum permitted since the allowable CMS disk modes are A-G, Y and Z. The system (S) disk cannot be a user disk.

System Action: Execution of the command terminates and the data set definition is stored including the nine-volume specification.

User Action: None.

## 321I MAXIMUM NUMBER OF EXTENTS RECORDED

Explanation: Sixteen (16) extents have been specified for a VSAM data set. This is the maximum number of data set extents allowed.

System Action: Execution of the command terminates successfully and the data set definition is stored, including the 16-extent specification.

User Action: None.

## 322I DDNAME 'ddname' NOT FOUND; NO CLEAR EXECUTED

Explanation: No previous definition for 'ddname' had been specified. This includes the condition of a 'DLBL IJSYSUC CLEAR' with no previous job catalog ddname (IJSYSUC) defined.

System Action: Execution of the command terminates. All definitions remain unchanged.

User Action: If the ddname was entered incorrectly, reenter the command with the correct ddname.

## 323I {JOB|MASTER} CATALOG DLBL CLEARED

Explanation: The DLBL for the catalog referred to has been cleared and is no longer active.

System Action: If the JOB catalog is cleared, all other definitions formerly flagged as using the JOB catalog are no longer flagged as such. The message can be the result of a 'DLBL \* CLEAR' rather than a 'DLBL IJSYSUC CLEAR' or 'DLBL IJSYST CLEAR', when the PERM option is not used when defining the catalogs.

User Action: None.

## 330R ENTER VOLUME SPECIFICATIONS:

Explanation: The system expects you to enter the VSAM data set volume specifications because you specified the MULT option.

System Action: Execution of the command waits until you respond to the specification request. If a null line is the first response, an error message (DMSDLB048E) is displayed and the DLBL command has no effect. Otherwise, a null response after one or more lines of data signifies the end of the specifications.

User Action: Enter data set volume specifications either on one line separated by commas or on separate lines. The final comma at the end of the line is optional and may be omitted. You must enter the filemode and, in the DOS environment, the

DOS logical unit associated with that disk. Do not repeat the filemode specified in the command line.

## 331R ENTER EXTENT SPECIFICATIONS:

Explanation: The system expects you to enter the VSAM data set extents because you specified the EXTENT option with the DLBL command.

System Action: Execution of the command waits until you respond to the specification request. If a null line is the first response, an error message (DMSDLB304E) is displayed and the DLBL command has no effect. Otherwise, a null line means the end of the specifications.

User Action: Enter dataset extent specifications on the same line separated by commas or on separate lines with or without commas. You must enter the starting relative track number, number of tracks, filemode and, if in DOS environment, the DOS logical unit associated with that filemode. The extents must be in ascending order for each volume grouping in order for the command to execute properly.

## 333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE

Explanation: The specified number of bytes will exceed the size of the largest partition possible with this virtual machine.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same. The old DOS partition size remains unchanged.

User Action: Specify a smaller value. If the partition size is not an important factor in this particular session, issue SET DOSPART OFF and allow the system to compute its own partition size.

## 360E INVALID RESPONSE 'response'.

Explanation: After prompting you for information, VSAMGEN determined that your reply was invalid, either because you did not enter one of the choices given you in the prompting message ('INSTALL' or 'UPDATE') or because you entered a value not valid for the entry being processed (that is, the storage location of the named system).

If the message is issued after the storage location value is entered, the value violates one of the following rules:

- Must be a valid hexadecimal value.
- Must be less than 16 megabytes.
- Must be greater than X'20000'.

System Action: RC = 24

If this is the first time this message is issued for this prompt, VSAMGEN reads from the terminal after issuing the message, thereby giving you another chance to enter the correct information. If it is issued for the second time for the same prompt, VSAMGEN terminates, and the system returns to the CMS command environment.

User Action: If it is the first time the message is issued, reexamine the prompting message and enter the correct information. If it is the second time the message is issued for this prompt, VSAMGEN has terminated, so you must restart the VSAMGEN EXEC.

## 360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'.

Explanation: During an 'INSTALL' run for an OS user, VSAMGEN copies all the VSAM and AMSERV object decks from the DOS system relocatable library onto the CMS disk as TEXT files. This message is issued at the completion of the operation.

System Action: None.

User Action: None.

## 360R ENTER EITHER 'INSTALL' or 'UPDATE':

Explanation: The VSAMGEN EXEC can be used either for initial installation of VSAM under CMS or for updating of VSAM under CMS by using PTF card decks to replace originally distributed modules.

System Action: VSAMGEN has issued a read to the terminal and waits for the user's response.

User Action: Reply 'INSTALL' if you wish to generate both the VSAM under CMS and the Access Method Services systems using the DOS System Relocatable Library (SRL) as the source. For an OS installation, 'INSTALL' will also result in all VSAM and Access Method Services modules being copied to the CMS A-disk.

Reply 'UPDATE' if you wish to generate a new version of either VSAM under CMS or Access Method Services, or both, by placing the replacement modules in the virtual reader. For the OS installation, the DOS System Relocatable Library is not used as source, but the CMS disk is used. Thus, no DOS disk need be accessed for the OS user.

## 361E DISK 'mode' IS NOT A {CMS|DOS} DISK.

Explanation: VSAMGEN requires that the A-disk be a read/write CMS disk, and that the disk you specified as containing the DOS SRL be a DOS disk.

System Action: RC = 36

VSAMGEN has terminated. The system returns to CMS command mode.

User Action: If the message concerns the CMS A-disk, access a CMS disk in read/write mode as the A-disk and reissue VSAMGEN. If the message concerns the DOS disk, either access the DOS disk and use that mode letter to answer the prompt during the next VSAMGEN attempt, or enter the correct mode of the DOS disk containing the DOS SRL during the next VSAMGEN attempt.

## 361I CREATING CMS TEXT FILES...

Explanation: VSAMGEN is in the process of copying all the VSAM and Access Method Services object modules from the DOS system relocatable library to the CMS disk during an 'INSTALL' run for an OS user.

System Action: None.

User Action: None.

## 361R ENTER EITHER 'DOS' or 'OS':

Explanation: The VSAMGEN EXEC distinguishes between DOS and OS installations at both installation time and updating time.

System Action: VSAMGEN has issued a read to the terminal and waits for the user's response.

User Action: Reply 'DOS' if you are a DOS installation and therefore do not want all VSAM and Access Method Services modules copied to a CMS disk during an 'INSTALL' run, and you do want the DOS system relocatable library used as source during an 'UPDATE' run.

Reply 'OS' if you are an OS installation and therefore do want all VSAM and Access Method Services modules copied to the CMS disk during an 'INSTALL' run, and you want the CMS disk used as source during an 'UPDATE' run rather than the DOS system relocatable library.

## 362E INVALID STORAGE PROTECT KEY 'key'

Explanation: The storage protect key specified was not decimal, 0 to 15.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command, specifying a valid storage protect key.

## 362I LINK-EDITING sysname...

Explanation: VSAMGEN is in the process of link-editing the modules that make up the

named system in order to create a CMS DOSLIB file with the same name.

System Action: None.

User Action: None.

362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:

Explanation: The VSAMGEN EXEC procedure requires a DOS disk containing the DOS system relocatable library for both DOS and OS users during an 'INSTALL' run and for the DOS user during an 'UPDATE' run.

System Action: VSAMGEN has issued a read to the terminal and waits for your response.

User Action: Enter the mode letter of the accessed disk containing the DOS system relocatable library. The disk must be in DOS format.

363E INVALID STARTING ADDRESS 'startadr'

Explanation: The start address specified in the command line is not a hexadecimal address within the load range of the specified system.

System Action: RC = 24  
Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a valid starting address.

363I sysname DOSLIB CREATED ON DISK 'A'.

Explanation: VSAMGEN has created a CMS DOSLIB file from the object modules that make up the named system.

System Action: None.

User Action: None.

363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:

Explanation: VSAMGEN requires a hexadecimal address for fetching the VSAM and/or Access Method Services systems into storage so that the systems can be saved on a CP volume.

System Action: VSAMGEN has issued a read to the terminal and waits for your response.

User Action: Enter the hexadecimal address corresponding to the starting relative page number in the SYSPGNUM field of the NAMESYS macro entered in the DMKSNT module for the named system.

364E V.M. STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr TO endadr.

Explanation: The virtual machine's storage must be large enough to allow SSK instructions to be issued for the complete load range of the saved system.

System Action: RC = 24

Execution of the command terminates. The system status remains the same.

User Action: Use the CP command DEFINE to redefine the virtual machine's storage to a value large enough to contain the saved system, and re-IPL CMS.

364I FETCHING sysname...

Explanation: VSAMGEN is in the process of fetching the phases that make up the named system from the CMS DOSLIB file of the same name. The phases are fetched into storage in order to be saved (written) on a CP volume.

System Action: None.

User Action: None.

364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S)

Explanation: The message gives you the choice of regenerating either one or both of the named systems.

System Action: VSAMGEN has issued a read to the terminal and waits for your response.

User Action: Enter a valid response.

365E SYSTEM NAME NOT SPECIFIED

Explanation: The system name was not included in the command line.

System Action: RC = 24

Execution of the command terminates. The system status remains the same.

User Action: Reissue the command with a valid system name.

365I SYSTEM sysname SAVED

Explanation: VSAMGEN has saved the named system on a CP volume for subsequent use by user programs. The DOSLIB file used in creating the new copy of the system is erased at this point.

System Action: None.

User Action: None.

365R ENTER MODULE NAME (8 CHARS. OR LESS) OR  
'END':

Explanation: VSAMGEN will assign the name entered by the user to the PTF object file when it reads the file from the virtual reader onto the CMS disk as a TEXT filetype. The file will remain on the CMS disk to be used in subsequent system generations until replaced by another object file of the same name.

System Action: VSAMGEN has issued a read to the terminal and waits for the user's response.

User Action: Enter the name(s) of the VSAM or Access Method Services module(s) in the same order the deck(s) were placed in the reader. To terminate reading from the reader, enter 'END'.

366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

Explanation: DOS/VS does not support the 3350 device type. CMS/DOS does not support I/O requests to the 3350 which would normally occur after the assignment of a logical unit. CMS/DOS supports the 3340 in compatibility mode only.

System Action: RC = 36  
Execution of the command terminates. The system status remains the same.

User Action: If the logical unit represents an input file, move the file to a supported device and reissue the ASSGN command. If the logical unit is associated with an output file, choose another output device and reissue the command.

366I STARTING TO READ PTF DECKS FROM READER...

Explanation: VSAMGEN is starting the 'UPDATE' procedure, during which the user will be prompted for the names of the PTF decks to be applied to the new system.

System Action: None.

User Action: None.

366R ENTER NAME OF SYSTEM TO BE SAVED:

Explanation: VSAMGEN has link-edited the VSAM or Access Method Services system and fetched it into virtual storage and is about to issue the CP SAVESYS command for that system.

System Action: The system waits for a response.

User Action: Enter the name of the VSAM or Access Method Services system.

367I 'modulename TEXT' WRITTEN ON DISK 'A'.

Explanation: If the message was issued by DMSVGN, VSAMGEN has read a reader file and written it on the CMS disk with the given name. The file will be used in creating a new named system.

If the message was issued by DMSVDP, DMSVDP (called from VSAMGEN EXEC) has read the named replacement module from the DOS/VS PTF tape and has written it on the user's A-disk for subsequent application in the new VSAM or Access Method Services system.

System Action: None.

User Action: None.

367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:

Explanation: You must supply the ddname of the tape input or output data sets to be used in the Access Method Services jobstream. The ddname in each case must match the 'ddname' operand in the Access Method Services control statement being executed (EXPORT, IMPORT, or REPRO).

System Action: The system waits for a response.

User Action: Enter the ddname of the tape input or output data sets to be used.

368I count NEW PTF DECKS WILL BE APPLIED.

Explanation: VSAMGEN has read from the reader or from the DOS/VS PTF tape the number of files specified by 'count'. You can use this count to verify the number of PTF decks to be applied to build the new VSAM or Access Method Services system(s).

This message appears once for each tape file read. Accordingly, if the user reads three tape files from the DOS/VS PTF tape, the total number of replacement modules will be the total from the counts specified in the three DMSVDP368I messages.

System Action: None.

User Action: None.

368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':

Explanation: The CMS DOSLIB file created during execution of the VSAMGEN EXEC (see message DMSVGN363I) can be erased at this time. This message prompts you to indicate whether or not you want the file erased.

System Action: The system waits for a response.

User Action: Enter either "yes" or "no".

DMS

369E INVALID - RELEASE 31 OR LATER REQUIRED

Explanation: The release number entered in response to message DMSVGN369R is an earlier release than the one supported for VSAM and Access Method Services.

System Action: RC = 24  
VSAMGEN terminates and the system returns to the CMS command environment.

User Action: If the release number is incorrect, restart the VSAMGEN EXEC procedure and enter the correct number. Otherwise, see the description of CMS VSAM and Access Method Services in the VM/370: Planning and System Generation Guide.

369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:

Explanation: The VSAMGEN EXEC requires the release number of the DOS/VS starter system in order to use the associated CMS installation files.

System Action: VSAMGEN has issued a read to the terminal and waits for the user's response.

User Action: Enter the DOS/VS release number of the restored system (must be 31 or later).

380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:

Explanation: It is possible to apply DOS/VS VSAM and Access Method Services PTFs either by applying individual replacement object decks through the reader or by stripping the appropriate modules from a DOS/VS PTF tape. This message prompts you to specify which method you will use.

System Action: The system waits for a response.

User Action: Enter 'TAPE' or 'CARDS'.

381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION:

Explanation: Assuming the PTF tape is attached as 181 and positioned at the correct tape file, VSAMGEN offers the user the choice of applying all the VSAM and Access Method Services PTFs or selectively choosing individual replacement files. This message prompts you to specify what you wish to do.

System Action: The system waits for a response.

User Action: Enter 'SELECT' or 'ALL'.

382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:

Explanation: VSAMGEN must know how many PTF tape files to scan for the VSAM and Access Method Services replacement modules.

System Action: The system waits for a response.

User Action: Enter a decimal number showing the number of tape files to be processed starting with current tape position.

383R APPLY 'filename'? ...ENTER 'NO' OR EOB:

Explanation: The user has requested selection of PTF replacement modules during VSAMGEN EXEC execution.

System Action: The system waits for a response.

User Action: If you do not want to apply the PTF contained in the named file, enter 'NO'. If you do want the file, indicate an EOB by pressing ENTER on a 3277 display terminal or RETURN on a 2741 terminal.

400S SYSTEM 'sysname' DOES NOT EXIST

Explanation: The subject system has not been defined in the Control Program module DMKSNT.

System Action: For DMSVIB, CMS abends with abend code X'044'. For all other modules, RC = 44. Execution of the user program terminates. The system returns to the state it was in before the start of the user program.

User Action: Contact the system programmer, who should generate the saved system for the correct system name.

401S V.M. SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)

Explanation: The user's virtual machine storage size as currently defined is of such a size that the named system (when loaded) would overlay part of the user's virtual storage. This could have occurred in either of the following ways:

1. The named system was saved below the user's current virtual machine size, or
2. The named system was saved at an appropriate address, but the user's current virtual machine storage size is so large that it would be partially overlaid by the named system.

System Action: For DMSVIB, CMS abends with an abend code of X'104'. For DMSSET, RC = 40. For all other modules, RC = 104. Execution of the command terminates. The system status remains the same.

User Action:

1. Contact the system programmer, who must create a new copy of the named VSAM or Access Method Services system at an address that is high enough not to conflict with any virtual machine size permitted for VSAM users, or
2. Enter CP mode and define a smaller virtual machine storage size for this VSAM user so his virtual storage will not be overlaid by the named system, and then re-IPL CMS/DOS.

410S CONTROL PROGRAM ERROR INDICATION 'retcode'

Explanation: An unexpected error occurred while the Control Program was processing a request from CMS to find or load the specified saved system.

System Action: For DMSVIB, CMS abends with abend code X'174'. For other modules, RC = 174. In both cases, 174 is the actual error code from the Control Program, indicating that paging I/O errors have occurred.

User Action: Contact the installation system programmer for assistance.

411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'

Explanation: An unrecoverable input or output error occurred while reading from or writing to SYSxxx. SYSxxx is the card reader, the printer, a tape drive, or the

logical unit assigned to the specified OS- or DOS-formatted disk. The 'nn' code indicates the nature of the error; it may be one of the following:

CARD READER

Code Meaning

3 An unknown error occurred.

PRINTER

Code Meaning

1 A line was too long.  
5 An unknown error occurred.

TAPE INPUT AND OUTPUT

Code Meaning

3 A permanent I/O error occurred.

DISK INPUT AND OUTPUT

Code Meaning

2 A unit exception occurred.  
3 A wrong-length record was detected.  
13 A permanent I/O error occurred.

System Action: RC = 100  
Execution of the command terminates.

User Action: Use the error code to determine and correct the possible cause of error.

412S CMSXGEN FAILED DUE TO SETKEY ERROR

Explanation: Errors occurred while trying to issue the SETKEY command to set storage keys.

System Action: RC = 100  
Execution of the command terminates. The system status remains the same.

User Action: A message was issued by DMSSSK before this message was issued. Use the explanation and user action for the DMSSSK message to correct the error.

413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

Explanation: The program has issued a CDLOAD (SVC 65), but the DOS VSAM environment under CMS is not active. A CDLOAD requires VSAM storage initialization to have taken place, but this has not been done.

System Action: RC = 104  
The job is canceled. The system status remains the same.

User Action: Issue the CMS command SET DOS ON with the VSAM option in order to initialize storage properly, and then reexecute the program.

601R ENTER SPECIFICATION LIST:

Explanation: The specification list that is to be entered in conjunction with the SPECS option is requested.

System Action: The system waits for a response.

User Action: Enter the specification list.

602R ENTER TRANSLATION LIST:

Explanation: The translation list that is to be entered in conjunction with the TRANS option is requested.

System Action: The system waits for a response.

User Action: Enter the translation list.

603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'. DO YOU WISH TO CONTINUE? (YES|NO):

Explanation: This message is a reminder that the formatting process erases existing files.

System Action: The system waits for a response.

User Action: Enter "yes" or "no."

604R ENTER SORT FIELDS:

Explanation: The command requires a list of sort fields on which to perform a sort.

System Action: The system waits for a response.

User Action: Enter pairs of numbers, separated by a blank, defining the starting and ending character positions of sort fields within the records.

605R ENTER DISK LABEL:

Explanation: You are requested to enter a label for the disk being formatted. The label will be written on the disk at cylinder 0, track 0, record 3.

System Action: The system waits for a response.

User Action: Enter a one- to six-character label for the disk. If you enter less than six characters, the label will be left-justified and padded with blanks. If you enter a null line, the system displays the message DISK REMAINS UNCHANGED.



DMS

606R SYSTEM DISK ADDRESS = cuu

Explanation: "cuu" designates the device address of the system disk (S-disk). On this disk CMS expects to find all CMS system information and programs not contained within the CMS nucleus, such as the disk-resident command modules. If the CMS nucleus is written on this disk, then cuu is also the IPL device address.

System Action: The system waits for a response. If you enter an invalid device address, the message

DMSINI079E INVALID DEVICE ADDRESS -  
REENTER

is issued. Message DMSINI606R is reissued, and you may enter a valid device address.

If you enter a null line, 190 is assumed to be the system disk address.

Once the system disk address entered is accepted, message DMSINI615R is issued.

User Action: Enter a valid device address or a null line.

607R REWRITE THE NUCLEUS? (YES|NO)

Explanation: Your response to this message determines whether or not a copy of the CMS nucleus is written onto disk.

System Action: The system waits for a response.

User Action: Enter either "yes" or "no." If you enter "no" a copy of the CMS nucleus is not written onto disk. The remaining questions in generating a new CMS nucleus are skipped and control is passed to the CMS initialization routine.

If you enter "yes" message DMSINI608R is issued.

If you fail to enter either "yes" or "no", the message

DMSINI081E INVALID REPLY. - ANSWER "YES"  
OR "NO"

is issued. Message DMSINI607R is reissued and you may enter a valid response.

608R IPL DEVICE ADDRESS = cuu

Explanation: "cuu" designates the device address on which the CMS nucleus is to be written. If the system disk and the IPL device are to be the same, you need only enter a null line.

System Action: The system waits for a response.

If you enter an invalid device address, message "DMSINI079E INVALID DEVICE ADDRESS

- REENTER" is issued. Message DMSINI608R is reissued and you may enter a valid device address.

If the IPL device designated is not currently defined, is not in read/write status, or is an unsupported device type, message "DMSINI082E IPL DEVICE ERROR - REENTER" is issued. Message DMSINI608R is then reissued. At this time, you may enter CP mode by signaling attention, and determine the status of the designated device by entering the CP command

QUERY VIRTUAL cuu

Then take the corrective action necessary to define the device for your virtual machine or to access it in read/write status. Reenter CMS mode by issuing the CP command

BEGIN

You must then reenter the device address.

Once the IPL device address is accepted, message DMSINI609R is issued.

User Action: Enter a valid device address or a null line.

609R NUCLEUS CYL ADDRESS = nnn

Explanation: "nnn" designates the cylinder (on the device entered in response to message DMSINI608R) on which the CMS nucleus is to be written. nnn must be between 001 and m-1 where m equals the number of cylinders on the disk, the cylinders on a disk being numbered from 0 to m. nnn must be entered in decimal.

System Action: The system waits for a response.

If you do not enter a valid decimal cylinder number, the message "DMSINI080E INVALID CYLINDER NUMBER - REENTER" is issued, message DMSINI609R is reissued, and you may enter a valid cylinder number.

If the cylinder specified is not greater than the number of cylinders already in use on the device (as indicated in the Master File Directory), the message

DMSINI083E NUCLEUS WILL OVERLAY FILES -  
RECOMPUTE

is issued. Message DMSINI609R is reissued. You may respond with a larger cylinder number, or IPL the CMS system and format the specified IPL device with the RECOMP option.

Once the nucleus cylinder address is accepted, message DMSINI610R is issued.

User Action: Enter a valid cylinder address.

## 610R ALSO IPL CYLINDER 0? (YES|NO)

Explanation: The initial IPL text is always written on the same cylinder as the CMS nucleus, that is, the cylinder designated in response to message DMSINI609R. (The initial IPL text is a bootstrap program that reads in the nucleus from the designated cylinder.) If it is not also written on cylinder 0, you must enter the cylinder number whenever an IPL is issued for the system being generated. For more information, see the IPL command in the VM/370: CP Command Reference for General Users.

System Action: If you do not enter "yes" or "no", the message

DMSINI081E INVALID REPLY - ANSWER "YES"  
OR "NO"

is issued. Message DMSINI610R is reissued and you may enter a valid response.

If you enter "yes" the initial IPL text is written on cylinder 0 as well as on the cylinder designated in response to message DMSINI609R.

If you enter "no" the initial IPL text is written only on the cylinder designated in response to message DMSINI609R.

If you enter either "yes" or "no," message DMSINI611R is issued.

User Action: Enter "yes" or "no."

## 611R VERSION IDENTIFICATION =

Explanation: Thirty-two bytes of information, including blanks, can be entered to specifically identify the version and level of CMS; this information is displayed or printed out when an IPL is performed for CMS. The default identification (specified by a carriage return) is:

CMS VERSION n.n - mm/dd/yy

where mm/dd/yy is the month, day, and year the CMS nucleus was created.

System Action: The system waits for a response.

User Action: Enter version identification information or a null line.

## 612R INSTALLATION HEADING =

Explanation: Sixty-four bytes of information, including blanks, can be entered to serve as an installation standard heading at the beginning of each output file. The default heading (specified by a null line) is:

CONVERSATIONAL MONITOR SYSTEM

System Action: The system waits for a response.

User Action: Enter up to 64 characters of identifying information, or a null line.

## 615R Y - DISK ADDRESS = cuu

Explanation: "cuu" designates the device address of the system disk extension (Y-disk). On this disk, CMS expects to find all CMS system information and programs not contained within the CMS nucleus and not on the S-disk, such as disk-resident command modules. If the CMS nucleus is written on this disk, then cuu is also the IPL device address (It is not required that you have a Y-disk.)

System Action: The system waits for a response.

If you enter an invalid device address, the message

DSMINI079E INVALID DEVICE ADDRESS -  
REENTER

is issued. Message DMSINI615R is reissued, and you may enter a valid device address.

If you enter a null line, '19E' is assumed to be the system disk extension address.

If you do not want a Y-disk, then do not have a disk 19E in your directory entry, and enter a null line.

Once the system disk extension address is accepted, message DMSINI607R is issued.

User Action: Enter a valid disk address or a null line.

## 701I NULL FILE

Explanation: There were no records in the file.

For DMSRDC, two READ control cards were encountered, but there were no cards available to be placed in the first file.

For DMSTPE, an end-of-CMS-file record was found, but there were no other records in the file.

System Action: Processing continues.

User Action: If records were expected, the file should be resubmitted.

## 702I :READ fn ft fm

Explanation: This message is displayed for every READ control card encountered during a READCARD operation. When there are no READ control cards, the following messages are displayed:

READ CONTROL CARD IS MISSING. FOLLOWING  
ASSUMED:  
:READ READCARD CMSUT1 A1

This indicates that the file is read in as  
'READCARD CMSUT1 A1'.

System Action: Processing continues.

User Action: If the file has been read in  
as 'READCARD CMSUT1 A1', rename it to a  
desired fileid.

703I FILE 'fn ft [fm]' COPIED

Explanation: The named file has been  
copied from tape to disk.

System Action: None.

User Action: None.

704I INVALID CLEAR REQUEST

Explanation: A CLEAR request was entered  
for a file definition that does not exist.  
No action took place.

System Action: None.

User Action: Correct the file definition  
specified in the CLEAR request.

705I DISK REMAINS UNCHANGED

Explanation: The reply to DMSFOR605R was  
not "yes".

System Action: None. The disk remains  
unchanged.

User Action: Enter the next command.

706I TERM INPUT -- TYPE NULL LINE FOR END OF  
DATA

Explanation: The input ddname in the  
MOVEFILE command refers to a terminal.  
This message requests the input data to be  
copied to the output device or file.

System Action: The system waits for a  
response.

User Action: Enter data or a null line.

707I TEN FILES COPIED

Explanation: Ten members have been copied  
from tape to disk as a result of the MAXTEN  
option.

System Action: None.

User Action: None.

708I DISK FILE 'FILE ddname A1' ASSUMED FOR  
DDNAME 'ddname'

Explanation: No FILEDEF command was issued  
for a ddname specified in the MOVEFILE  
command. As a result, the MOVEFILE command  
issues a FILEDEF for that ddname.

If this is the input ddname, the disk file  
must exist on disk. The blocksize and  
record format will be taken from the  
characteristics of the input disk file.

If this is the output ddname, the disk file  
will be created on the A-disk. Its  
characteristics will depend on the format  
of the input file.

System Action: Processing continues.

User Action: None.

710I PHASE 'phase' ENTRY POINT AT LOCATION  
xxxxxx

Explanation: The phase entry point is  
located at location xxxxxx.

System Action: None.

User Action: Issue the START command to  
begin execution.

711I NO SYSTEM SYNONYMS IN EFFECT

Explanation: No system synonyms are in  
effect because you previously issued a  
SYNONYM command with NOSTD specified as an  
option.

System Action: None.

User Action: If you want to have system  
synonyms in effect, issue the SYNONYM  
command with the STD option.

712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)

Explanation: The routine that handles  
synonym processing is not in this system;  
therefore no synonyms are in effect.

System Action: None.

User Action: None.

715I {DOSGEN|CMSXGEN} COMPLETE

Explanation: The CMS text decks have been  
successfully loaded into the discontinuous  
shared segment and the CP SAVESYS command  
has been issued to save the system.

System Action: None.

User Action: None.

- 721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft fm' {OLD|NEW} FILE]
- Explanation: This message appears in conjunction with the TYPE option. It indicates the name of the input file and output file.
- System Action: None.
- User Action: None.
- 722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT
- Explanation: The AMSERV output will be placed on the given disk (other than the user's A-Disk). This information message is omitted if the output file is placed on the user's read/write A-disk.
- System Action: Processing continues.
- User Action: None.
- 723I mode (cuu) {R/O|R/W} [-OS|-DOS]
- Explanation: The specified CMS formatted disk is accessed in read-only mode. -OS indicates the disk is OS-formatted. -DOS indicates the disk is DOS-formatted.
- Note: A read/write OS or DOS disk can be written on only by VSAM.
- System Action: Processing continues.
- User Action: None.
- 724I 'cuu' REPLACES 'mode (ccu)'
- Explanation: The disk that was accessed replaces the disk specified in the search order. The disk it replaces is released, but is not detached.
- System Action: Processing continues.
- User Action: None.
- 725I cuu ALSO = 'mode' [-OS|-DOS] DISK
- Explanation: The specified disk is also accessed as the 'mode' disk. -OS indicates that the disk is an OS disk; -DOS indicates that the disk is a DOS disk.
- System Action: Processing continues.
- User Action: None.
- 726I 'cuu mode' RELEASED
- Explanation: The specified device has been released since the user has specified another disk for that mode.
- System Action: Processing continues.
- User Action: None.
- 728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]
- Explanation: The system has entered the DEBUG environment. For a full description of DEBUG, see VM/370: CMS User's Guide and the VM/370: CMS Command and Macro Reference.
- System Action: The system waits for the next command.
- User Action: Enter a DEBUG subcommand.
- 732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'
- Explanation: This message tells you how many cylinders have been formatted on the specified disk.
- System Action: Processing continues.
- User Action: None.
- 733I FORMATTING DISK 'mode'
- Explanation: The FORMAT command is formatting the specified disk.
- System Action: Processing continues.
- User Action: None.
- 738I RECORD LENGTH IS 'nnn' BYTES
- Explanation: The message indicates the length of records read in when it is not 80 bytes.
- System Action: Processing continues.
- User Action: None.
- 740I EXECUTION BEGINS ...
- Explanation: The user has requested execution of a program under CMS.
- System Action: The program has been prepared for execution by the CMS loader and control is now passed to the program.
- User Action: None.

DMS

750I ZAP PROCESSING COMPLETE.		GLOBAL TXTLIB ERPTFLIB EREPLIB
<u>Explanation:</u> An END control record was encountered and processing is terminated.		Reissue the CPEREP command. If the error persists, call your system support personnel.
<u>System Action:</u> All files are closed and control returns to CMS.		
<u>User Action:</u> None.		827I CPEREP PRINTING COMPLETE
		<u>Explanation:</u> Execution of the CPEREP command has completed successfully.
751I MEMBER FOUND IN LIBRARY 'fn'.		<u>System Action:</u> RC = 0 Control returns to CMS.
<u>Explanation:</u> If more than one LOADLIB or TXTLIB was specified, this message tells you which library the member was found in.		<u>User Action:</u> None required.
<u>System Action:</u> Processing continues.		828I CPEREP CLEAR HAS BEEN COMPLETED
<u>User Action:</u> None.		<u>Explanation:</u> The CLEAR specified on the CPEREP command line has executed successfully. If a CLEARIO was specified, the input/output error recording cylinder has been erased. If a CLEARMC was specified, the machine and channel check error recording cylinder has been erased. If a CLEARALL was specified, the input/output, machine check, and channel check error recording cylinders have been erased.
777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST		<u>System Action:</u> RC = 0 Control returns to CMS.
<u>Explanation:</u> The virtual DOS partition is too small to accommodate the FETCH request. If the module or phase requested were fetched into user storage, it would exceed PPEND.		<u>User Action:</u> None required.
<u>System Action:</u> RC = 104 Execution of the command terminates.		829W CPEREP CLEAR HAS BEEN IGNORED
<u>User Action:</u> Redefine the size of the virtual partition using the SET DOSPART command and reissue the command. Note that redefining the partition size causes storage to be reinitialized, and therefore any previous loads or fetches must be reissued.		<u>Explanation:</u> The CLEAR specified as a CPEREP operand has not been executed. The input source has been specified as tape (HIST=Y); the error recording cylinders cannot be erased if tape input is chosen.
825E INVALID OPERAND 'operand'		<u>System Action:</u> RC = 4 Control returns to CMS.
<u>Explanation:</u> An invalid operand appeared in a CPEREP request.		<u>User Action:</u> If a CLEAR (CLEARIO, CLEARMC, or CLEARALL) operation is desired, issue a CPEREP command without specifying history tape input (HIST=Y).
<u>System Action:</u> RC = 55 Execution of the command terminates. The system status remains the same.		
<u>User Action:</u> Reissue the CPEREP command with valid operands.		830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS
826E EREP TXTLIBS NOT FOUND		<u>Explanation:</u> DMSREA, the CPEREP read module, encountered a permanent input/output error while attempting to read a record from the error recording area. Probable hardware error.
<u>Explanation:</u> In attempting to search the EREP TXTLIBs, DMSIFC found that the pointer to the first TXTLIB contained zeros.		<u>System Action:</u> RC = 60 Execution of the command terminates. The system status remains the same.
<u>System Action:</u> RC = 56 Execution of the command terminates. The system status remains the same.		<u>User Action:</u> Execute the DDR service program to obtain a dump of the error recording cylinder on which the input error occurred. Reconstruct the data on the
<u>User Action:</u> Issue a GLOBAL TXTLIB command listing the applicable EREP TXTLIBs in the proper search order. If no local libraries exist, the command should be:		

| error recording cylinders. If the reconstruction process is successful, initiate the CPREPREP operation again. If the error recurs, call your system support personnel.

| 831E MORE THAN 1000 CHARS. OF OPTIONS SPECIFIED

| Explanation: The maximum number of characters that can be used to specify options for this command is 1000. More than 1000 characters were used.

| System Action: RC = 62  
| Execution of the command terminates. The system status remains the same.

| User Action: Check the valid command options. Reissue the command using less than 1000 characters to specify the options.

901T UNEXPECTED ERROR AT 'addr': PLIST 'plist fn ft fm' AT addr, BASE: addr, RC nn

Explanation: An unexpected error occurred in COPYFILE processing. The 'plist' indicates one of the following CMS functions: RDBUF, WRBUF, FINIS, ADTLKP, or RENAME.

The return code 'nn' indicates one of the following conditions:

'plist' = RDBUF

Code Meaning

- 1 The file was not found.
- 2 The address of the buffer was not within virtual storage limits.
- 3 A permanent disk error occurred. This may occur if you link to and access another user's disk, and try to read a file that was refiled by its owner after you issued the ACCESS command. Reissue the ACCESS command and try to read the file again.
- 5 The number of records is less than 0 or greater than 32768.
- 7 The fixed/variable flag is not F or V.
- 8 The record read is longer than the buffer.
- 9 The specified file is open for writing; it must be closed and opened for reading.
- 11 The number of records is greater than 1 for a variable-length file.
- 12 The end of the file was reached.
- 13 An invalid displacement appears in the APT for a variable-length file.
- 14 An invalid character appears in the filename.
- 15 An invalid character appears in the filetype.

'plist' = WRBUF

Code Meaning

- 2 The virtual storage address equals zero.

Code Meaning

- 4 The first character of the filemode is invalid.
- 5 The second character of the filemode is invalid.
- 6 The record number or number of records is too long.
- 7 An attempt was made to skip over an unwritten variable-length record.
- 8 The number of bytes was not specified.
- 10 The maximum number of CMS files (3500) was reached.
- 11 The fixed/variable flag is not F or V.
- 12 The disk is read-only.
- 13 The disk is full.
- 14 The number of bytes to be written is not integrally divisible by the number of records to be written.
- 15 The length of this record is not the same as that of the previous record.
- 16 The characteristic (F or V) is not the same as the previous record.
- 17 A variable-length record is greater than 65K bytes.
- 18 The number of records is greater than 1 for a variable-length file.
- 19 The maximum number of data blocks (16060) had been reached.
- 20 An invalid character appears in the filename.
- 21 An invalid character appears in the filetype.

'plist' = FINIS

Code Meaning

- 6 The file is not open.

'plist' = ADTLKP

Code Meaning

- 1 The matching ADT block was not found.

'plist' = RENAME

Code Meaning

- 24 The mode is invalid, or the fileid is incomplete.
- 28 The file was not found, a new file already exists, fileids are identical, or the file is inactive.
- 36 The disk is not read/write.

System Action: RC = 256

Execution of the command terminates. The system status remains the same, with the following exceptions:

- If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.
- If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.
- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Refer to the 'plist' parameter and the RC 'nn' parameter to determine if an input/output error occurred. If it did, try to reissue the command. Otherwise, contact your system support personnel for assistance.

902T IPL DEVICE READ I/O ERROR

Explanation: An uncorrectable I/O error occurred while reading a CMS nucleus.

System Action: The system enters a wait state.

User Action: Call your installation support personnel.

903T IMPOSSIBLE PHASE CODE 'xx'

Explanation: A phase code larger than the maximum was detected during the file copying operation. This error should never occur.

System Action: RC = 256  
Execution of the command terminates. The system status remains the same, with the following exceptions:

- If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.
- In multiple output file mode, several output files may already have been created before the error was discovered.

User Action: Contact IBM for assistance.

904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

Explanation: An error condition was detected during the process of unpacking a file. Probably, the file was not in PACK format, or it was modified after it was packed.

System Action: RC = 256  
Execution of the command terminates. The system status remains the same, with the following exceptions for DMSCPY:

- If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.
- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Contact your installation support personnel for assistance.

905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR

Explanation: CMS has tried to write on a virtual disk that resides on a disk whose "write-inhibit" switch has been set.

System Action: DMSDIO returns to caller with a code 6, "FILE IS READ-ONLY."

User Action: Notify the system operator to reset the switch; then IPL CMS again.

907T I/O ERROR ON FILE 'fn ft fm'

Explanation: The system tried to close a file that had not been opened or could not find a file that should exist.

System Action: RC = 256  
Execution of the command terminates. For DMSLBM, MACLIB condition is unpredictable.

User Action: For DMSLBM, issue MACLIB MAP to check the validity of the library name.

For DMSLIO, if the error is in a TXTLIB, check the integrity of the dictionary.

908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'. REASON CODE 'nn'.

Explanation: An error has been detected indicating that the CMS file system may have become disoriented with respect to the disk having virtual address 'cuu'. 'nn' indicates the nature of the error; it may be one of the following:

Code Meaning

- 3 An error was detected in trying to read from or write on a disk. Probably the disk was detached (via the DETACH command) without having been released (via the RELEASE command), or the disk is an unsupported device. Error detected in module DMSDIO.
- 5 The cylinder number received by the Control Program is not in the user's range or an attempt was made to access file record zero. Error detected in module DMSDIO.
- 6 An attempt was made to write on a read-only disk. Error detected in module DMSDIO.
- 8 A channel programming error occurred. Error detected in module DMSDIO.
- 41 No free block is available for allocation. Error detected in module DMSTRK.
- 42 A parameter list error occurred. Error detected in module DMSTRK.
- 45 The cylinder number received by the Control Program is not in the user's range, or an attempt was made to access file record zero. Error detected in module DMSTRK.
- 81 No free block is available for allocation. Error detected in module DMSTQQ.

Code Meaning

82 A parameter list error occurred.  
Error detected in module DMSTQQ.

System Action: The system enters a disabled wait state. The user file directory is not updated.

User Action: IPL CMS again. If data on the pack is still good, reissue the command. If the problem persists, contact your system support personnel.

909T PERM I/O ERROR ON 'cuu'. CSW ccccccc  
ccccccc SENSE ssssssss ssssssss ssssssss  
ssssssss ssssssss ssssssss.

Explanation: An uncorrectable I/O error has occurred on virtual device address 'cuu'. The CSW bytes at the time of the error are indicated at the lowercase "c"

positions and sense data appears at the lowercase "s" positions.

System Action: The system enters a disabled wait state. The user file directory is not updated.

User Action: IPL CMS again. Retry the command. If the problem persists, contact your system support personnel.

999E NO ft PROCESSOR FOUND

Explanation: The processor module appropriate to the filetype was not found.

System Action: RC = 28  
Execution of the command terminates.

User Action: Correct the filetype and reissue the command.



## EDIT

### EDIT MESSAGES

The following messages are issued by the CMS Editor in response to the EDIT command and its subcommands.

nnn LINE(S) CHANGED[ , nnn LINE(S) TRUNCATED]

Explanation: A CHANGE subcommand has caused nnn lines to be changed and/or nnn lines to be truncated.

\_SAVED

Explanation: An automatic save (AUTOSAVE) was just performed on the file currently being edited.

AVAILABLE STORAGE IS NOW FULL

Explanation: The size of the file cannot be increased. Any attempt to add lines produces the message NO ROOM. Other commands are unaffected. Use the FILE subcommand to store what you have already edited on disk. To continue editing, you may temporarily increase the size of your virtual machine by issuing the CP command DEFINE, or split the file into two smaller ones.

EDIT:

Explanation: This message indicates entry to edit mode. During initialization, if the file identification specified in the EDIT command is found on disk, this is the first response; otherwise, the file is new and the message NEW FILE: precedes the message EDIT:. This message is also displayed:

- When you enter a null line in edit mode.
- When you return from CMS subset to edit mode.
- If verification is on, when you enter a null line in input mode.
- If verification is on, when a SAVE subcommand completes execution.

END ZONE SET TO 72

Explanation: The SERIAL subcommand was issued when the zone setting was within the serialization field. The end zone is reset to column 72.

EOF:

Explanation: The line pointer is positioned after the bottom line of the file or, if the file is empty, after the null line at the top of the file (subject to the setting of the VERIFY subcommand).

EOF REACHED

Explanation: The number of lines beyond the starting line specified in a GETFILE subcommand exceeded the end of the indicated file. The lines from the starting line to the end of the file were inserted in the file. When verification is on, the last line inserted is displayed at the terminal.

FILE IS EMPTY

Explanation: An attempt to FILE, SAVE, or AUTOSAVE a null file was detected. If the subcommand was FILE, the Editor exits; if it was SAVE or AUTOSAVE, control returns to edit mode. In either case, the file is not stored on your disk.

FILE NOT FOUND

Explanation: The file identification specified in a GETFILE subcommand was not found on an auxiliary storage device.

GETFILE IS INCOMPLETE

Explanation: The available storage was exceeded while attempting to execute a GETFILE subcommand. The last line inserted into the file is displayed at the terminal.

GIVEN STARTING LINE IS BEYOND EOF

Explanation: The starting line specified in a GETFILE subcommand points beyond the last line of the indicated file.

INPUT:

Explanation: Indicates entry to input mode; lines entered at the terminal become part of the file.

INVALID LINE NUMBER REFERENCE IN STMT nnnnn

Explanation: This message occurs for VSBASIC files only. The line number referenced in statement nnnnn is invalid (not numeric). The old line number is nnnnn. The Editor terminates the RENUM subcommand without renumbering the file. To continue, correct statement nnnnn and reissue the subcommand.

INVALID SYNTAX IN STMT nnnnn

Explanation: This message occurs with VSBASIC files only. RENUM cannot convert the line number operand in statement nnnnn because of incorrect language usage. The old line number is nnnnn. The Editor terminates the RENUM subcommand. To continue, correct the statement in line nnnnn and reissue the command.

## INVALID \$name PARAMETER LIST

Explanation: The indicated edit macro was invoked with one or more errors in the subcommand line.

## LINE xxxxx REFERENCED IN STMT nnnnn, NOT FOUND

Explanation: This message occurs for VSBASIC files only. The line number specified as an operand in statement nnnnn, was not found. The old line number is nnnnn. The Editor terminates the RENUM subcommand. To continue, correct the line number operand xxxxx in statement nnnnn and reissue the command.

## MAXIMUM LINE NUMBER EXCEEDED

Explanation: The RENUM subcommand specified values for strtno and incrno which would result in a line number that exceeds 99999 for VSBASIC files or 99999999 for FREEPORT files. The Editor terminates the RENUM subcommand. To continue, reissue RENUM with proper strtno and incrno values.

This message is also issued for other serialized files if the line number exceeds 99999. The file must be reserialized.

## NEW FILE:

Explanation: The message is issued during Editor initialization if the file identified in the EDIT command is not found on the specified disk. If no filemode was specified with the EDIT command, CMS searches only the A-disk and its extensions.

## NO LINES MOVED

Explanation: The edit macro \$MOVE was invoked with number of lines to be moved equal to 0.

## NO ROOM

Explanation: An attempt to enter additional lines to a file was detected after the message AVAILABLE STORAGE IS NOW FULL was displayed. Any stacked lines are cleared to avoid multiple error messages or improper subcommand execution sequences. Use the FILE subcommand to store what you have edited so far on disk. To continue editing, you must either split the file into two smaller files or temporarily increase the storage size of your virtual machine via the CP DEFINE STORAGE command. The maximum virtual storage permitted is determined by the MSTORE value in your directory entry.

## NON-NUMERIC CHARACTER IN LINE NUMBER COLUMNS

Explanation: A nonnumeric character was found in the columns reserved for line numbers. The line pointer identifies the line in error. You should correct or delete the line in error.

## NOT FOUND

Explanation: The search operand specified in the ALTER, CHANGE, FIND, or LOCATE subcommand was not encountered in the delimited range (current ZONE setting), or before the end of the file was reached.

## OVERFLOW AT STATEMENT nnnnn

Explanation: This message occurs with VSBASIC files only. The conversion of the line number operand in statement nnnnn would produce a record exceeding the logical record length. The old line number is nnnnn. The Editor terminates the RENUM subcommand; to continue, correct the statement at old line number nnnnn and reissue the subcommand.

## READ ERROR - GETFILE IS INCOMPLETE

Explanation: An unrecoverable error was encountered during the execution of a GETFILE subcommand. The last line inserted into the file is displayed at the terminal.

## RECORD LENGTH OF FILE TOO LARGE

Explanation: The file identification of a GETFILE subcommand indicates a file with a record length greater than the file being edited. The GETFILE subcommand is not executed.

## RENUM MODULE NOT FOUND

Explanation: The RENUM subcommand requires that there be a RENUM module on the system disk. The Editor terminates the RENUM subcommand. Your installation system programmer must place the RENUM module on the system disk.

## RENUMBER LINES

Explanation:

1. The line number prompter cannot proceed because there are no more numbers between the current line number and the line number of the next line already in the file (that is, they differ by one). In LINEMODE RIGHT, the user can turn LINEMODE OFF, issue a SERIAL subcommand, SAVE the file on disk (reserializing it), and finally turn LINEMODE RIGHT on and continue with the editing session.

EDIT

2. The next line number, 10000000 or 100000, is too large.
3. If you are editing a VSBASIC or FREEFOT file, you can use the RENUM subcommand to renumber your file.

RESERIALIZATION SUPPRESSED

Explanation: Reserialization on a SAVE, AUTOSAVE, or FILE subcommand is suppressed when LINEMODE RIGHT is set so that the numbers used during the editing session are retained. To reserialize, repeat the SAVE, AUTOSAVE, or FILE with LINEMODE OFF set.

SAVED (See "\_SAVED".)

SERIALIZATION IS INCOMPLETE

Explanation: During the execution of a SAVE, AUTOSAVE, or FILE subcommand that is serializing a file, the disk becomes full before the last line is written. The partial file is erased and the user is notified of the condition.

SET NEW FILEMODE, OR ENTER CMS SUBSET AND CLEAR SOME SPACE

Explanation: During the execution of a SAVE, RENUM, AUTOSAVE, or FILE subcommand, the disk becomes full before writing the last line of the file. The Editor erases the partial file. To continue, either (1) alter the destination of the edit file with the FMODE subcommand, or (2) enter CMS subset and erase unneeded files to make more room available.

SET NEW FILEMODE AND RETRY

Explanation: An attempt was made to SAVE, AUTOSAVE, or FILE a file on a disk that is read-only or not accessed. You may reissue the subcommand specifying the filemode of a read/write disk; or, if you do not have a read/write disk active, you may enter the CMS subset environment by issuing the subcommand CMS, then issue the ACCESS command to gain access to a disk in read/write status, and then return to the edit environment by issuing the RETURN command.

If you are using a VSBASIC file and issued a RENUM subcommand, you must access the disk you specified in read/write status for the subcommand to operate. The Editor terminates the RENUM subcommand without renumbering the file. To continue, use the FMODE subcommand to direct the file to a read/write disk and reissue the RENUM subcommand.

This message is also issued if you use FM subcommand specifying an access mode letter not in the range A-G, S, Y, or Z, or an access mode number that is greater than 5.

SET NEW FILENAME AND RETRY

Explanation: During the execution of a SAVE, AUTOSAVE, or FILE subcommand, an error occurred while altering the name of the CMS work file. You can now institute recovery procedures, since the Editor returns to edit mode. The work file remains. It should be erased, and a different file identification for a subsequent SAVE, AUTOSAVE, or FILE subcommand should be specified.

STACKED LINES CLEARED

Explanation: Multiple subcommands were detected after a failure to increase the file size when the Editor had indicated NO ROOM. This message is also displayed when an abnormal exit from edit mode occurs (to preserve the CMS command environment from stacked EDIT subcommands), or when an error is encountered in executing an edit macro.

STACKED LINES CLEARED BY \$name

Explanation: When the named edit macro (such as \$MOVE) is invoked, any stacked lines are cleared by the macro before its execution. This message also occurs when an edit macro is issued when the current line pointer is at the top of the file or the end of the file. When an edit macro is issued with the current line pointer at any other point in the file, the message does not occur unless lines are stacked in the console stack.

STRING NOT FOUND, NO DELETIONS MADE

Explanation: The specified character string has not been found by the end of the file. No deletions have been made, and the current line pointer remains unchanged.

TOF:

Explanation: The current line pointer is positioned at the null line at the top of the file. This message appears either after the TOP subcommand has been issued or after any other EDIT subcommand has positioned the line pointer at the null line at the beginning of the file.

TOO MANY LINES TO MOVE

Explanation: The \$MOVE edit macro was invoked with the number of lines to be moved greater than 25.

TOO MANY LINES TO STACK

Explanation: During initialization, the parameter of the STACK subcommand implies a storage requirement in excess of that reserved for the execution of the subcommand. The limit is 25 lines.

## TRUNC SET TO 72

Explanation: The SERIAL subcommand was issued and the truncation column was set within the serialization field. The truncation column is reset to column 72.

## TRUNCATED

Explanation: The current line has exceeded the truncation column. If verification is on, the truncated line is displayed, followed by the message INPUT: (if in input mode).

## WRONG FILE FORMAT FOR LINEMODE RIGHT

Explanation: The LINEMODE RIGHT option is not compatible with variable-length files or files that have a fixed record length other than 80.

## WRONG FILE FORMAT FOR RENUM

Explanation: The filetype of the file you are editing is not VSBASIC or FREEPORT, or the Editor detected an invalid line number. For VSBASIC files, the line number must be the first five characters of the record. For FREEPORT files, the line number must be the first eight characters of the record. The Editor terminates the RENUM subcommand without renumbering the file. To continue, correct the line number or filetype and reissue the RENUM subcommand.

## WRONG FILE FORMAT FOR SERIALIZATION

Explanation: The SERIAL subcommand was issued for a variable-length file or for a file that does not have a fixed record length of 80.

## ZONE ERROR

Explanation: The string specified in a CHANGE subcommand is too long for the current zone specification. The file is not changed.

-

Explanation: Same as ?EDIT:, but the input line is not displayed because the SHORT subcommand is in effect.

-S

Explanation: Same as ?EDIT:, but is displayed when an invalid edit macro is issued and the SHORT subcommand is in effect.

## ?EDIT:

Explanation: An unrecognizable EDIT subcommand or invalid subcommand operand has been encountered. The input line is displayed for inspection. This form is used if the LONG subcommand is in effect.

## DMSBWR170S DISK 'mode (cuu)' IS FULL

Explanation: CMS issues this message if the output disk becomes full during execution of a FILE, SAVE, RENUM, or AUTOSAVE subcommand becomes full. The Editor terminates the subcommand, erases the work file (which is incomplete), and requests the user to specify a new filemode or make more room on the disk.

EXEC

EXEC MESSAGES

The EXEC interpreter generates two error messages, the descriptions of which are found in the "Conversational Monitor System (CMS) Messages" section.

DMSEXC001E NO FILENAME SPECIFIED

DMSEXT072E ERROR IN EXEC FILE fn, LINE nn -  
error description

DEBUG MESSAGES

## INCORRECT DEBUG EXIT

For the GO subcommand, this message indicates that the subcommand was issued without an operand, but an operand was required because the debug environment was entered by issuing the DEBUG command.

For the RETURN subcommand, this message indicates that RETURN was not the proper subcommand to use, because the debug environment was entered due to a breakpoint, a program or external interrupt, or an unrecoverable error. To exit from the debug environment under these circumstances, issue the GO subcommand (no operand is necessary).

Issued by: GO, RETURN

## INVALID OPERAND

For the BREAK subcommand, this message indicates that the breakpoint identification number specified in the first operand is not a decimal number between 0 and 15 inclusive, or the second operand cannot be located in the debug symbol table and is not a valid hexadecimal number. If the second operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must be a valid hexadecimal storage location.

For the DEFINE subcommand, this message indicates that the name specified in the first operand contains all numeric characters, the second operand is not a valid hexadecimal number, or the third operand is not a decimal number between 1 and 56 inclusive.

For the DUMP subcommand, this message is issued if the address specified by the second operand is less than that specified by the first operand, or if the first or second operands cannot be located in the debug symbol table and are not valid hexadecimal numbers. If either operand is intended to be a symbol, a DEFINE subcommand must previously have been issued for that symbol; if not, the operand must specify a valid hexadecimal location.

For the GO or ORIGIN subcommand, a specified operand cannot be located in the debug symbol table and is not a valid hexadecimal number. If the operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must specify a valid hexadecimal location.

For the GPR subcommand, the operand(s) specified are not decimal numbers between 0 and 15 inclusive, or the second operand is less than the first.

For the SET subcommand, the first operand is not CAW, CSW, PSW, or GPR, or the first operand is GPR and the second operand is not a decimal number between 0 and 15 inclusive,

or one or more of the hexinfo operands does not contain hexadecimal information.

For the STORE subcommand, the first operand cannot be located in the debug symbol table and is not a valid hexadecimal number, or the information specified in the second, third, or fourth operands is not in hexadecimal format. If the first operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must specify a valid hexadecimal storage location.

For the X subcommand, the first operand cannot be located in the debug symbol table and is not a valid hexadecimal number, or the second operand is not a decimal number between 1 and 56 inclusive. If the first operand is intended to be a symbol, it must have been defined in a previous DEFINE subcommand; otherwise, the operand must specify a valid hexadecimal number.

Issued by: BREAK, DEFINE, DUMP, GO, GPR, ORIGIN, SET, STORE, X

## INVALID STORAGE ADDRESS

For the DEFINE, DUMP, GO, STORE, or X subcommand, the sum of the current origin and the hexadecimal location specified in the subcommand is greater than the user's virtual storage size. If the current origin size is unknown, reset it to the desired value by issuing the ORIGIN subcommand, and then reissue the subcommand.

For the GO subcommand, this message may also indicate that the address at which execution is to begin is not on a halfword boundary (indicating that an operation code is not located at that address).

For the ORIGIN subcommand, the address specified is greater than the user's virtual storage size.

Issued by: DEFINE, DUMP, GO, ORIGIN

## INVALID STORAGE REFERENCE

The location indicated by the second operand is uneven (not on a halfword boundary) or the sum of the second operand and the current origin value is greater than the user's virtual storage size. If the current origin value is unknown, it may be reset to the desired value by issuing the ORIGIN subcommand.

Issued by: BREAK

## MISSING OPERAND

The user did not enter the minimum number of operands required by the subcommand.

Issued by: BREAK, DEFINE, GPR, ORIGIN, SET, STORE, X

DEBUG

TOO MANY OPERANDS

The user entered more operands than the subcommand required.

Issued by: BREAK, CAW, CSW, DEFINE, GO, GPR, ORIGIN, HX, PSW, RETURN, SET, STORE, X

16 SYMBOLS ALREADY DEFINED

The debug symbol table is full and no new symbols can be defined until the current definitions are cleared by obtaining a new copy of CMS. However, an existing symbol can be assigned to a new storage location by issuing another DEFINE subcommand for that symbol.

Issued by: DEFINE

REMOTE SPOOLING COMMUNICATIONS SUBSYSTEM (RSCS) MESSAGES

000I RSCS (VER v, LEV l, mm/dd/yy) READY

Explanation: This message signals the completion of RSCS initialization, including the activation of the AXS and LAX tasks. VER v and LEV l specify the version and level of RSCS that is in use. mm/dd/yy specifies the date on which the RSCS in use was generated.

System Action: The system begins normal processing by accepting files and commands.

Operator Action: Normally, one or more links are activated at this time.

001I FREE STORAGE = nn PAGES

Explanation: The amount of available storage has increased as the result of normal system processing. The new number of available free pages is given as "nn".

System Action: Normal processing continues.

Operator Action: You may use this information in deciding whether to activate a previously inactive link.

002I LINK linkid DEACTIVATED

Explanation: The link identified by 'linkid' has been deactivated as a result of the execution of a previous DRAIN command, or as the result of an orderly shutdown following a terminal line driver error. The link remains inactive until it is activated again by an explicit command.

System Action: The link's line driver task is deleted from the system, all storage allocated to the task is made free, and the link table entry is updated.

Operator Action: None.

003I LINK linkid EXECUTING: (command line text)

Explanation: The RSCS command described by (command line text) has been forwarded by a remote station for local execution. The link for the remote station forwarding the command is identified by 'linkid'.

System Action: The command is executed, and the resulting response is returned to the originating link, to be sent back to the remote station.

Operator Action: None.

070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw

Explanation: This message is issued by any task in RSCS that detects an uncorrectable hardware or system error during the processing of an I/O operation. The causes of such an error vary, depending on the particular device type and command code.

cuu - the virtual device address of the I/O device on which the error occurred.

cc - the condition code resulting from the issuing of the SIO command on the device for the operation which was in error.

csw - the composite CSW associated with the operation in error. The composite CSW is a logical ORing of the CSW information associated with the SIO or the interrupts from the device while the I/O operation was active.

sense - the sense information associated with the I/O operation in error if the I/O operation ends with unit check set on.

ccw - the first CCW of the I/O to start, or the last CCW fetched by the channel before the I/O operation terminated with an error indication.

System Action: The error is logged, and appropriate recovery procedures are taken. The exact effect of the I/O error condition depends on the existing conditions when it occurs. The system may continue processing normally, the link may be automatically deactivated, or RSCS may shut down.

Operator Action: This message indicates a serious system or hardware error. Call IBM for hardware or system support.

091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

Explanation: An unrecoverable error occurred during the initial loading of the supervisor components, MSUP, REX, AXS, and LAX.

System Action: A virtual storage dump is automatically taken, and a masked-off wait state PSW is loaded, terminating system operation.

Operator Action: This message indicates a serious error. Notify system support personnel.



DMT

101I FILE spoolid ENQUEUED ON LINK linkid

Explanation: This message is issued when the file identified by 'spoolid' has arrived at the RSCS virtual machine, and has been successfully accepted and enqueued on the link identified by 'linkid'. This message is also issued when a previously pending file is accepted after a tag slot has become available.

System Action: The newly accepted file is made available to the link's line driver for future transmission. If the line driver is waiting for a file to transmit, it is notified that the new file is available.

Operator Action: None.

102I FILE spoolid PENDING FOR LINK linkid

Explanation: The file identified by 'spoolid' has arrived at the RSCS virtual machine, but has not been enqueued on the link 'linkid' to which it is addressed, because no tag slot is available.

System Action: The link's pending count is incremented, and the file is accepted when a tag slot becomes available.

Operator Action: None.

103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS

Explanation: The file identified by 'spoolid' has arrived at the RSCS virtual machine with a missing or invalid destination address in the file's tag.

System Action: The improperly addressed file is automatically purged from the system, and the originating virtual machine user is notified.

Operator Action: The file to be transmitted must be regenerated with a correct destination address in the file tag setting.

104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss

Explanation: A file has been received from a remote location, acknowledged, written to the VM/370 spool system, closed, and spooled to the local virtual machine to which the file was addressed.

userid2 - the ID of the local virtual machine to which the file has been spooled.  
locid1 - the ID of the location of the file's originator.  
name1 - the name of the file originator's system or device at the remote location.

mm/dd/yy - the date of the file's origination at the remote location.

hh:mm:ss - the time of day of the file's origination at the remote location.

System Action: The virtual output device used to process the file is detached and normal processing continues.

Operator Action: None.

105I FILE spoolid PURGED

Explanation: The file identified by 'spoolid' has been purged from the system as a result of normal processing.

System Action: The file's virtual storage tag is dequeued and its slot is freed. If another file is pending, it is accepted. All system tables are updated, and normal processing continues.

Operator Action: None.

106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid

Explanation: The file identified by 'spoolid' could not be located in the RSCS virtual machine spool input file queue during an attempt to open the file for the link identified by 'linkid'. This situation usually results from users retrieving files that had previously been spooled to the RSCS virtual machine and accepted by the spool file access routine.

System Action: The file's virtual storage tag is dequeued and its slot is freed. If another file is pending, it is accepted. The link table entry is updated, and normal processing continues.

Operator Action: No action is necessary. This message does not indicate an error condition.

107I nn PENDING FILES FOR LINK linkid MISSING

Explanation: A number (nn) of pending files for the link identified by 'linkid' have been found to be missing from the RSCS virtual machine spool input queue during an attempt to accept a pending file. This situation usually results from users retrieving files that had been previously spooled to the RSCS virtual machine and left pending on the link.

System Action: The link table entry is updated to reflect the proper pending file status, and normal processing continues.

Operator Action: No action is necessary. This message does not indicate an error condition.

## 108E SYSTEM ERROR READING SPOOL FILE spoolid

Explanation: A return code reflecting a VM/370 system error has been received in response to a read to the file identified by 'spoolid'.

System Action: The error is logged and the failing operation is retried up to ten times. If a retry is successful, normal processing continues. If the error persists, an attempt is made to purge the file and a message to that effect is issued to the operator and to the originating virtual machine.

Operator Action: This message indicates a VM/370 system error. Call your system support personnel.

## 141I LINE vaddr READY FOR CONNECTION TO LINK linkid

Explanation: This message is issued by a line driver to inform the operator that the line identified by 'vaddr' is being enabled for communications processing to the link identified by 'linkid'. Normally, this is the first message issued by a line driver after link activation, and it may be issued during active processing after a line becomes disabled.

System Action: The line driver begins an enable operation on the line and waits for completion, signaling a completed connection. If the line identified by 'vaddr' is a nonswitched line, the connection completes automatically. Normal processing continues.

Operator Action: No response is needed if the line identified by 'vaddr' is a nonswitched line, or if it is a switched line with auto-answer and the remote station is to complete the connection. If the line is a switched line, the operator should ensure that the necessary steps are taken to complete the connection to the link identified by 'linkid' (for example, manual dialing of the associated data-phone).

## 142I LINK linkid LINE vaddr CONNECTED

Explanation: This message signals completion of the line connection for the link identified by 'linkid' on the line port address identified by 'vaddr'. This message is issued automatically when a nonswitched line is enabled, and it is issued when a connection is completed for a switched line. This message does not necessarily mean that any successful interaction with the remote station has taken place on the connected line.

System Action: Normal link processing begins. If a file queue exists on the

link, and if there are files eligible for transmission, the file transmission begins automatically. File receiving from the remote station begins automatically.

Operator Action: None.

## 143I LINK linkid LINE vaddr DISCONNECTED

Explanation: The virtual line port address identified by 'vaddr' and associated with the active link identified by 'linkid' was connected and is now disconnected. This may be the result either of an apparent line disconnection due to line errors, or of the remote station hanging up, or of the execution of a disabling sequence by the local line driver. This message does not mean that the associated link has been deactivated, but the message is normally issued during the process of link deactivation.

System Action: If the link is not in the process of deactivating, an attempt is made to re-establish the line connection. File processing is halted on the link until a line connection is reestablished.

Operator Action: None.

## 144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)

Explanation: Reception of a new file from the remote location identified by 'locid1' and the system or device name at that location identified by 'name1' (if any) has begun. The file being received is destined for the location identified by 'locid2' and the virtual machine at that location identified by 'userid2' (if any).

System Action: File processing continues, and the new file is written to the VM/370 spool system as it is received.

Operator Action: None.

## 145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)

Explanation: A new file has been completely received and acknowledged from the remote location identified by 'locid1' and the system or device at that location named 'name1'. The file received is destined for the location identified by 'locid2' and the virtual machine at that location identified by 'userid2'.

System Action: If the file is destined for the local location, and for a particular virtual machine at the location, it is automatically spooled to that virtual machine. Normal file processing continues.

Operator Action: None.

DMT

146I SENDING: FILE spoolid ON LINK linkid, REC  
nnnnnn

Explanation: Transmission of the file identified by 'spoolid' on the link identified by 'linkid' has begun during normal file processing. The identified file contains nnnnnn records, and the file has become active.

System Action: Transmission of the file continues to completion, or until it is stopped by some other event.

Operator Action: None.

147I SENT: FILE spoolid ON LINK linkid

Explanation: Transmission of the active file identified by 'spoolid' on the link identified by 'linkid' has been successfully completed and acknowledged by the remote station.

System Action: Disposition of the identified file follows, according to the status of the file. The file may be purged, repeated, or held for future retransmission. Normal link processing continues.

Operator Action: None.

148I ACTIVE FILE spoolid SENDING RESUMED ON LINK  
linkid

Explanation: Transmission of the file identified by 'spoolid' on the link identified by 'linkid' has been resumed from the point at which transmission was previously interrupted. File transmission may have been interrupted as the result of a line drop, an unexpected terminal error in the link's line driver, or entry of the link into hold status.

System Action: Normal link processing continues.

Operator Action: None.

149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS=  
nnn; TMOUTS= ppp

Explanation: This message is issued occasionally when trace mode has been set for the link identified by 'linkid'. The message is issued when one of the trace values reaches the predefined incremental threshold, depending on the active trace option setting.

mmm - the total number of communication line transactions that have taken place since the last similar message was issued, or since the trace mode was set.

nnn - the total number of communication line transactions that have ended with a line error indication since the last similar message was issued, or since the trace mode was set.

ppp - the total number of time-outs that have occurred while waiting for response from the remote station since the last similar message was issued, or since the trace mode was set. A time-out is not counted as a line transaction.

System Action: Normal processing continues.

Operator Action: Depending on the data reported in the message, you may choose to intervene with a command to deactivate the link, or you may try to hang up the line and reestablish it to reinitialize communication.

160I LINE vaddrDISABLED FOR LINK linkid

Explanation: Line processing by the link identified by 'linkid' on the line identified by 'vaddr' has been terminated, and the line has been disconnected if it is a switched line. This message may be issued during normal processing as a result of a spontaneous line disconnection. It is always issued during the process of link deactivation.

System Action: If link deactivation is in process, it continues normally. Otherwise, an attempt is made to reconnect the line. File processing for the link is suspended.

Operator Action: None.

170I FROM linkid: (MSG message text)

Explanation: The character string included in the message as (MSG message text) has been received on the link identified by 'linkid' as the operand of a remote MSG command.

System Action: Normal link processing continues.

Operator Action: A response may be suggested by the MSG character string.

190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid

Explanation: VM/370 spool control or data information associated with the file identified by 'spoolid' has been found to be in error at the local installation.

System Action: The error condition is logged, the identified file is automatically purged from the system, and link processing continues.

Operator Action: This message indicates a system error at the local installation. Notify system support personnel.

Operator Action: Reissue the command with a valid keyword.

## 200I RSCS

Explanation: A null line was entered as a console command. A null line is a line that contains no characters. If a line containing characters is edited to a null line, this message is not issued, and another read is automatically started on the console.

System Action: Normal processing continues.

Operator Action: None.

## 205E CONFLICTING KEYWORD keyword

Explanation: The specified keyword was used in an invalid way. It may have been entered more than once in the same command line, or it may conflict with another keyword.

System Action: The command is ignored, and normal processing continues.

Operator Action: Correct and reissue the command.

## 201E INVALID COMMAND command

Explanation: The specified command is not a valid RSCS command.

System Action: The command is ignored, and normal processing continues.

Operator Action: Correct and reissue the command.

## 206E INVALID OPTION keyword option

Explanation: The specified keyword and option combination is not a valid combination for the command issued. The format of RSCS commands, including valid keyword-and-option combinations, can be found in the VM/370: Remote Spooling Communications Subsystem (RSCS) User's Guide.

System Action: The command is ignored, and normal processing continues.

Operator Action: Correct and reissue the command.

## 202E INVALID LINK linkid

Explanation: The specified linkid was not in the proper format for RSCS link IDs (one to eight alphanumeric characters).

System Action: The command is ignored, and normal processing continues.

Operator Action: Reissue the command line with a valid linkid.

## 207E CONFLICTING OPTION keyword option

Explanation: The specified keyword and option conflict. Another keyword or keyword-and-option combination in the same command may have invalidated the specified keyword-and-option combination.

System Action: The command is ignored, and normal processing continues.

Operator Action: Correct and reissue the command.

## 203E INVALID SPOOL FILE ID spoolid

Explanation: The specified spoolid was not in the proper format for VM/370 spool file IDs (one to four decimal digits, 1-9910).

System Action: The command is ignored, and normal processing continues.

Operator Action: Reissue the command with a valid spoolid.

## 208E INVALID USER ID userid

Explanation: The specified virtual machine userid is invalid.

System Action: The command is ignored, and normal processing continues.

Operator Action: Reissue the command with a valid userid.

## 204E INVALID KEYWORD keyword

Explanation: The specified keyword is not a valid keyword for the command issued. The correct format of RSCS console commands, including valid keywords, can be found in the VM/370: Remote Spooling Communications Subsystem (RSCS) User's Guide.

System Action: The command is ignored, and normal processing continues.

## 300I ACCEPTED BY TASK task

Explanation: The preceding console command has been processed by the CMX syntax scanner and first level semantic processor, and a command element has been built. That

command element has been made available to the task named 'task', and that task has accepted the command element for second level semantic processing.

System Action: Command semantic processing continues at the task named 'task'. Further response to the command will be issued from that task. The command processor is then ready to accept another console command.

Operator Action: None.

301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE

Explanation: The preceding console command has been processed by the CMX syntax scanner and first level semantic processor. A command element has been built and made available to the task named 'task', but that task was unable to accept the command element for further processing because a previously issued command is still being processed.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Reissue the command when the active command processing has completed.

302E LINK linkid IS NOT DEFINED

Explanation: The specified linkid is syntactically valid, but no such link is defined with that ID and the command issued requires a defined linkid.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Check to see if the linkid specified is valid. If it was incorrectly typed, reissue the command with a correct linkid. If it was correctly typed, you must define the specified link before the command can be executed.

303E LINK linkid IS NOT ACTIVE

Explanation: The link identified by 'linkid' was specified in the preceding command, but the link is inactive and the command requires specification of an active link.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Activate the specified link and reissue the command.

304E REJECTED BY TASK task -- NOT RECEIVING

Explanation: Processing of the preceding command could not be completed, because the second level processing task named 'task' failed to accept the command service request.

System Action: The command is ignored, and normal processing continues.

Operator Action: Repeated occurrences of this message indicate a system error. Notify system support personnel.

402T IPL DEVICE READ I/O ERROR

Explanation: An uncorrectable I/O error occurred while reading the RSCS nucleus from a DASD device.

System Action: A wait state PSW is loaded with a wait state code of X'40C9D5C9' (C' INI').

User Action: Call your installation support personnel.

406R SYSTEM DISK ADDRESS = cuu

Explanation: "cuu" designates the device address of the RSCS system disk. If the RSCS nucleus is written on this disk (which will occur if you respond "yes" to message DMTINI407R), then cuu is also the IPL device address.

System Action: The system waits for a response. If you enter an invalid device address, message

DMTINI479E INVALID DEVICE ADDRESS -  
REENTER

is issued. Message DMTINI406R is reissued and you may enter a valid device address. If you press carriage return, 191 is assumed to be the system disk address.

If the system disk designated is not currently defined, is not in read/write status, or is an unsupported device type, message

DMTINI482E SYSTEM DISK ERROR -  
REENTER

is issued. Message DMTINI406R is then reissued. At this time, you may enter CP mode by signaling attention, and determine the status of the designated device by entering the CP command

QUERY VIRTUAL cuu

and take the corrective action necessary to define the device for your virtual machine or to access it in read/write status. Reenter the CMS environment by issuing the CP command

BEGIN

You must then reenter the device address.

Once the system disk address is accepted, message DMTINI407R is issued.

User Action: Enter a valid device address.

407R REWRITE THE NUCLEUS? {YES|NO}

Explanation: This message prompts you to specify whether or not the copy of the RSCS nucleus is to be written onto disk.

System Action: The system waits for a response.

User Action: Enter "yes or "no."

If you enter yes, message DMTINI409R is issued, prompting you to specify the cylinder on the system disk on which the RSCS nucleus is to be written. The system disk is the disk you specified in response to message DMTINI406R.

If you enter "no", the remaining questions in generating a new RSCS nucleus are skipped and control is passed to the RSCS initialization routine. A copy of the RSCS nucleus is not written onto disk.

If you fail to enter either "yes" or "no", the message

DMTINI481E INVALID REPLY - ANSWER "YES"  
OR "NO"

is issued. Message DMTINI407R is reissued and you may enter a valid response.

409R NUCLEUS CYL ADDRESS = nnn

Explanation: nnn designates the cylinder on the device entered in response to message DMTINI406R on which the RSCS nucleus is to be written. nnn must be between 001 and m-1 where m equals the number of cylinders on the disk, the cylinders on a disk being numbered from 0 to m. nnn must be entered in decimal.

System Action: If you do not enter a valid decimal cylinder number, the message

DMTINI480E INVALID CYLINDER NUMBER -  
REENTER

is issued, message DMTINI409R is reissued, and you may enter a valid cylinder number.

If the cylinder specified is not greater than the number of cylinders already in use on the device (as indicated in the Master File Directory), then the message

DMTINI483E NUCLEUS WILL OVERLAY FILES -  
RECOMPUTE

is issued. Message DMTINI409R is reissued. You may respond with a larger cylinder number, or IPL the RSCS system and format

the specified IPL device with the RECOMP option.

Once the nucleus cylinder address is accepted, message DMTINI410R is issued.

User Action: Enter a valid cylinder address.

410R ALSO IPL CYLINDER 0? (YES|NO)

Explanation: The initial IPL text is always written on the same cylinder as the RSCS nucleus, that is, the cylinder designated in response to message DMTINI409R. (The initial IPL text is a bootstrap program that reads in the nucleus from the designated cylinder.) If it is not also written on cylinder 0, you must enter the cylinder number whenever an IPL is issued for the system being generated. For more information, see the IPL command in the VM/370: CP Command Reference for General Users.

System Action: If you do not enter "yes" or "no", the message

DMTINI481E INVALID REPLY - ANSWER "YES"  
OR "NO"

is issued. Message DMTINI410R is reissued and you may enter a valid response.

If you answer "yes," the initial IPL text is written on cylinder 0 as well as on the cylinder designated in response to message DMTINI409R.

If you answer "no," the initial IPL text is written only on the cylinder designated in response to message DMTINI409R.

User Action: Enter "yes" or "no."

431S IPL DEVICE WRITE I/O ERROR

Explanation: An uncorrectable I/O error occurred while writing the nucleus.

System Action: The system continues as if the user had responded "no" to DMTINI407R.

User Action: Make sure that the nucleus cylinder number is not larger than the size of the disk. If it is, perform an IPL and specify the correct cylinder number. If it is not, call your installation support personnel.

479E INVALID DEVICE ADDRESS - REENTER

Explanation: The device address entered was specified incorrectly, that is, it is not a valid hexadecimal character or is not in the range of X'001' to X'6FF'.

System Action: Message DMTINI406R is reissued.

User Action: See DMTINI406R.

DMT

480E INVALID CYLINDER NUMBER - REENTER

Explanation: The value entered was not a valid decimal number.

System Action: Message DMTINI409R is reissued.

User Action: See DMTINI409R.

481E INVALID REPLY - ANSWER "YES" OR "NO"

Explanation: The only valid response to the query is "yes" or "no". Neither was entered.

System Action: Message DMTINI407R or DMTINI410R is reissued.

User Action: See DMTINI407R or DMTINI410R.

| 482E SYSTEM DISK - REENTER

Explanation: Either the device is not currently defined, it is not in read/write status, or it is an unsupported device type.

| System Action: Message DMTINI406R is reissued.

| User Action: See DMTINI406R.

483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

Explanation: The specified nucleus cylinder number was not greater than the number of cylinders indicated in the Master File Directory for the IPL device.

System Action: Message DMTINI409R is reissued.

User Action: Respond to DMTINI409R with a larger cylinder number or IPL RSCS and format the specified IPL device with the RECOMP option.

510I FILE spoolid BACKSPACED

Explanation: The file identified by 'spoolid' has been backspaced according to the request in a preceding command.

System Action: File transmission continues, beginning from the new file position.

Operator Action: None.

511E NO FILE ACTIVE ON LINK linkid

Explanation: A command was issued that operates on a file being actively transmitted on the link identified by 'linkid', but no file was being actively transmitted on the link.

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System Action: Normal link processing continues, and the command has no effect.

Operator Action: None.

520I FILE spoolid CHANGED

Explanation: The file identified by 'spoolid' has been altered as requested in the processing of the preceding command. The new file status remains in effect until it is changed again through an explicit request.

System Action: All appropriate action implied by the changed status is performed. This might include reordering a link queue if a file priority was changed, notifying a waiting line driver if a file class was changed, and so on. Normal processing continues.

Operator Action: None.

521I FILE spoolid HELD FOR LINK linkid

Explanation: The file identified by 'spoolid' has been placed in hold status as the result of processing of the preceding command. The file will remain in hold status and will not be transmitted until it is explicitly removed from hold status by a command.

System Action: The file's virtual storage tag is updated, and normal processing continues.

Operator Action: None.

522I FILE spoolid RELEASED FOR LINK linkid

Explanation: The file identified by 'spoolid' and enqueued on the link identified by 'linkid' has been released from hold status as a result of the processing of the preceding command. The file is now eligible for transmission on the link.

System Action: The file's virtual storage tag is updated, and the link's line driver is asynchronously notified of the file's availability for transmission if the line driver had been waiting for a file to transmit. Normal processing continues.

Operator Action: None.

523I LINK linkid QUEUE REORDERED

Explanation: The file tag queue in RSCS virtual storage for the link identified by 'linkid' has been reordered in response to execution of a command. The new order of the queue defines the order of file transmission on the link.

System Action: The files reordered to the beginning of the queue are automatically given a priority of zero (highest), and normal processing continues.

Operator Action: None.

524E FILE spoolid ACTIVE -- NO ACTION TAKEN

Explanation: The file identified by 'spoolid' is actively being read and transmitted on a link, and the action requested in the preceding command cannot be performed on active files.

System Action: The preceding command has no effect, and normal processing continues.

Operator Action: If you wish, you can deactivate the file by means of a FLUSH command with HOLD requested, and reissue the command when that has been accomplished.

525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN

Explanation: The file identified by 'spoolid' is enqueued on the link identified by 'linkid', which is different from the linkid specified in the preceding command.

System Action: The action requested in the preceding command is not performed, and normal processing continues.

Operator Action: Verify that the specified spool file ID and link ID are correct. If an error is found, retry the preceding command.

526E FILE spoolid NOT FOUND -- NO ACTION TAKEN

Explanation: The file identified by 'spoolid' has not been accepted and enqueued by RSCS. The action requested by the preceding command could not be performed.

System Action: The preceding command has no effect, and normal processing continues.

Operator Action: Verify the spool file ID used in the preceding command. If it was incorrect, the command may be retried with a corrected spool file ID. If it was correct, and the file is pending at the RSCS virtual machine, the file may be manipulated through the use of VM/370 spooling commands.

530I COMMAND FORWARDED ON LINK linkid

Explanation: In response to a command, a character string has been transmitted as a remote command on the link identified by 'linkid'.

System Action: Normal link processing continues.

Operator Action: None.

540I NEW LINK linkid DEFINED

Explanation: The link identified by 'linkid' is now defined as the result of command processing, according to the specified keyword options.

System Action: The newly-defined link may have spool files enqueued on it automatically, and can be activated to begin remote processing.

Operator Action: Users can begin to address files to the newly-defined link for future transmission.

541I LINK linkid REDEFINED

Explanation: The previously defined link, identified by 'linkid', has had its definition changed as the result of command processing, according to the specified keyword options.

System Action: The changes in the link definition become effective immediately.

Operator Action: None.

542E LINK linkid ACTIVE -- NOT REDEFINED

Explanation: The previously defined link, identified by 'linkid', has not been changed because the link was active at the time of command processing.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Reissue the command after the link has been deactivated.

543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED

Explanation: An attempt was made to define a new link, but the maximum allowable number of defined links had already been reached.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Check the command line to see if it was accurately typed. If an existing link definition was to have been altered, correct and reissue the command. If a new link was to be defined, another link must be temporarily deleted from the list of valid linkids (via the RSCS DELETE



command) before the command can be successfully retried.

544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED

Explanation: The preceding DEFINE command failed because a default line driver type was not specified.

System Action: The command is ignored, and normal processing continues.

Operator Action: Reissue the command, specifying a default line driver type.

550I LINK linkid NOW DELETED

Explanation: The previously defined link, identified by 'linkid', is now temporarily deleted as a result of command processing.

System Action: Spool files addressed to the deleted link's location ID are no longer accepted, and are rejected as invalidly addressed. The deleted link can no longer be activated.

Operator Action: Users can no longer address files to the deleted link.

551E LINK linkid ACTIVE -- NOT DELETED

Explanation: An attempt was made to temporarily delete the link identified by 'linkid' from the list of valid linkids (via the RSCS DELETE command). The attempt was unsuccessful because the specified link was active at the time of command processing.

System Action: The link remains defined and active, the command has no effect, and normal processing continues.

Operator Action: Reissue the command when the link is deactivated.

552E LINK linkid HAS A FILE QUEUE -- NOT DELETED

Explanation: An attempt was made to temporarily delete the link identified by 'linkid' through a console command. The attempt was unsuccessful because the specified link had at least one file enqueued on it at the time of command processing.

System Action: The link remains defined, the command has no effect, and normal processing continues.

Operator Action: Before the link can be deleted, all files enqueued on it and pending for it must be purged, either by console command execution or by normal file transmission.

560I RSCS DISCONNECTING

Explanation: The RSCS virtual machine console is disconnected as a result of command execution. If an alternate virtual machine was specified to receive RSCS output messages, that virtual machine will begin receiving the console messages through the VM/370 MSG function. If no alternate virtual machine was specified to receive RSCS console messages, those messages will be discarded.

System Action: RSCS continues processing normally without a main operator console.

Operator Action: The RSCS main virtual machine console can be reinstated by issuing a console attention and performing the logon routine.

561E USERID userid NOT RECEIVING

Explanation: An attempt has been made to disconnect the main RSCS virtual operator console with a secondary virtual machine ID identified by 'userid' specified to receive RSCS console output messages. The specified virtual machine either was not receiving messages or was not logged on at the time of command processing.

System Action: The command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: The command can be retried with a different virtual machine ID specified, or with no virtual machine ID specified. The same virtual machine ID can be specified after it has been logged on and set to receive messages.

570I LINK linkid NOW SET TO DEACTIVATE

Explanation: In response to the DRAIN command, the link identified by 'linkid' has set drain mode and will be deactivated. If the RSCS operator issues the START command before the link is deactivated, processing will continue on the link.

System Action: The line driver takes appropriate action to quiesce line activity. This includes the finishing of transmission for an active file if one exists, and it may include the signaling to the remote station of an impending termination. No new files are activated while the link is in drain mode. When line activity is quiesced, the link deactivates.

Operator Action: None.

571E LINK linkid ALREADY SET TO DEACTIVATE

Explanation: The link identified by 'linkid' was in drain mode when it received a new command to deactivate.

System Action: The line driver continues the deactivation process, and the command has no effect.

Operator Action: None.

580I FILE spoolid PROCESSING TERMINATED

Explanation: In response to the FLUSH command, transmission of the active file identified by 'spoolid' was terminated before the completion of file processing.

System Action: Disposition of the identified file is made according to the status of the file. The file may be purged from the system, or the file may be held for future retransmission. The next copy of the file may begin transmission if multiple copies remain and 'ALL' was not specified. Normal file processing continues.

Operator Action: None.

581E FILE spoolid NOT ACTIVE

Explanation: The file identified by 'spoolid' was not active when a command was processed that specified that file, and the command requires an active file as its object.

System Action: The command has no effect, and normal link processing continues.

Operator Action: Check the status of the named file by issuing the QUERY FILE command.

590I LINK linkid RESUMING FILE TRANSFER

Explanation: The active link identified by 'linkid' was in hold status, and has been removed from hold status in response to command processing.

System Action: File transmission on the identified link resumes immediately if the line is connected and there is a file eligible for transmission enqueued on the link.

Operator Action: None.

591E LINK linkid NOT IN HOLD STATUS

Explanation: The link identified by 'linkid' was not in hold status when a command was processed that requested that the link leave hold status.

System Action: The command is ignored, and normal link processing continues.

Operator Action: None.

600I FILE spoolid FORWARD SPACED

Explanation: The file identified by 'spoolid' has been forward spaced as requested by a preceding command.

System Action: File transmission continues, beginning from the new file position.

Operator Action: None.

610I LINK linkid TO SUSPEND FILE TRANSMISSION

Explanation: The link identified by 'linkid' has entered hold status. File transmission has not been suspended because at the time of command processing a file was being actively transmitted, and the NOW option was not specified.

System Action: The link remains in hold status. File transmission will be suspended when the processing of the active file is complete.

Operator Action: None.

611I LINK linkid FILE TRANSMISSION SUSPENDED

Explanation: The link identified by 'linkid' has entered hold status, and file transmission has been halted as a result of command processing. Either no file was being actively transmitted at the time of command processing, or the link had been in hold status and its active file transmission has completed, or an active file was being transmitted and the NOW operand was specified.

System Action: The link remains in hold status, and file transmission remains suspended, until the link is explicitly freed from hold status. If active file transmission was interrupted, the transmission of the active file resumes from the point at which transmission was interrupted when the link is removed from hold status. The link continues to process files received from the remote station normally while in hold status.

Operator Action: None.

612E LINK linkid ALREADY IN HOLD STATUS

Explanation: The active link identified by 'linkid' was in hold status when it received a new command to enter hold status, with the same options specified as in the preceding command which caused the link to enter hold status.

System Action: The link remains in hold status, and the command has no effect.

Operator Action: None.

640I nn FILE(S) PURGED ON LINK linkid

Explanation: The number of files denoted by 'nn' that were enqueued on the link specified by 'linkid' have been purged from the system in response to a PURGE command.

System Action: The files' virtual storage tags are dequeued and the tag slots are freed. The link table is updated, and pending files are accepted if any exist.

Operator Action: None.

651I LINK linkid INACTIVE

Explanation: This message is issued in response to a QUERY 'linkid' STAT command. The link identified by 'linkid' was not active at the time the command was processed.

System Action: None.

Operator Action: None.

652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n

Explanation: This message is issued in response to a QUERY 'linkid' STAT command. The link identified by 'linkid' was active at the time the command was processed.

task - is the task name of the line driver task.  
 type - is the ID of the line driver in use by the active link.  
 vaddr - is the virtual device address of the line port in use by the active link.  
 c - is the class or classes of files that may be processed by the active link.  
 HO - indicates that the active link is in hold status.  
 NOH - indicates that the active link is not in hold status.  
 DR - indicates that the active link is in the process of draining, and will terminate when line activity is quiesced.  
 NOD - indicates that the active link is not in the process of draining.  
 TRA - indicates that the active link is tracing all line activity.  
 TRE - indicates that the active link is tracing line errors.  
 NOT - indicates that the active link is not tracing line errors or activity.  
 m - is the number of files accepted and enqueued for transmission on the link.  
 n - is the number of files pending but not yet accepted for the active link.

System Action: None.

Operator Action: None.

653I LINK linkid DEFAULT task type vaddr c R=m

Explanation: This message is issued in response to a QUERY 'linkid' DEF command. The link identified by 'linkid' was defined at the time of command processing, and the default attributes listed in the message pertain to that definition. The message does not indicate whether the link was active or inactive at the time of command processing, and the default attributes listed may be different from those actually in use with the link if it was active.

task - the default task name to be associated with the defined link's line driver task when the link is activated.  
 type - the ID of the default line driver defined for the link.  
 vaddr - the default virtual device address of a line port to be used by the link when it is activated.  
 c - the default class or classes of files that can be processed by the link when it is active.  
 m - the number of virtual storage file tag slots reserved for exclusive use by this link.

System Action: None.

Operator Action: None.

654I LINK linkid Q=m P=n

Explanation: This message is issued in response to a QUERY 'linkid' QUEUE command. The status of the file queue for the link identified by 'linkid' is described.

m - the number of files accepted and enqueued for transmission on the link.  
 n - the number of files pending but not yet accepted for the active link.

System Action: An additional message (DMTCMX655I) is issued for each file accepted and enqueued on the link, describing the status of each such file.

Operator Action: None.

655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}

Explanation: A message of this form is issued for each file accepted and enqueued for transmission on the link specified by 'linkid' in the preceding QUERY 'linkid' QUEUE command.

spoolid - the VM/370 spool file ID for the file to be described.  
 locid - the destination location ID to which the originating user addressed the file.  
 userid - the destination virtual machine ID (if any) to which the

originating user addressed the file.

a - the spool file class.

mm - the file's current transmission priority.

nnnnnn - the number of records in the file.

A - indicates that the described file is active.

I - indicates that the described file is inactive.

System Action: This message is issued for each file in the link queue.

Operator Action: None.

660I FILE spoolid INACTIVE ON LINK linkid

Explanation: This message is issued in response to a QUERY FILE 'spoolid' STAT command. At the time of command processing, the file identified by 'spoolid' was inactive, and was enqueued for transmission on the link identified by 'linkid'.

System Action: None.

Operator Action: None.

661I FILE spoolid ACTIVE ON LINK linkid

Explanation: This message is issued in response to a QUERY FILE 'spoolid' STAT command. At the time of command processing, the file identified by 'spoolid' was active, and was being transmitted on the link identified by 'linkid'.

System Action: None.

Operator Action: None.

662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO locid2 userid2

Explanation: This message is in response to the RSCS command QUERY FILE 'spoolid'. The RSCS control-related attributes of the file identified by 'spoolid' are described.

locid1 - the location ID of the location at which the file originated.

userid1 - the virtual machine ID of the originator of the file.

mm/dd/yy - the file creation date.

hh:mm:ss - the file creation time of day.

locid2 - the destination location ID to which the originating user addressed the file.

userid2 - the destination virtual machine ID (if any) to which the originating user addressed the file.

System Action: None.

Operator Action: None.

663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}

Explanation: This message is issued in response to the CP command, QUERY FILE 'spoolid'. The VM/370 spool system-related attributes of the file identified by 'spoolid' are described.

mm - the file's transmission priority.

a - the file's spool file class.

nn - the number of copies of the file requested by the file creator.

HO - indicates that the file is in hold status.

NOH - indicates that the file is not in hold status.

distcode - the file's distribution code.

fn ft - the file's filename filetype.

dsname - the file's data set name.

System Action: None.

Operator Action: None.

664E FILE spoolid NOT FOUND

Explanation: This message is issued in response to a QUERY FILE 'spoolid' command. The file identified by 'fileid' could not be found in the RSCS virtual storage queues, meaning either that the file is not owned by the RSCS virtual machine, or that the file is pending and has not yet been accepted by RSCS.

System Action: None.

Operator Action: Verify that the spool file ID was correctly typed. If it was not, retry the command with the correct spool file ID. If it was correctly typed, retry the command after a file tag slot becomes available and the specified file is accepted and enqueued by RSCS.

670I LINK linkid ACTIVE -- LINE vaddr (HO|NOH)

Explanation: This message is issued in response to a QUERY SYSTEM command. One such message is produced for each active link in the RSCS facility at the time of command processing. The active link described by the message is identified by 'linkid'.

vaddr - the virtual device address of the line port in use by the active link.

HO - indicates that the active link is in hold status.

NOH - indicates that the active link is not in hold status.

System Action: This message is issued for each active link in the system.

Operator Action: None.

## 671I LINK linkid INACTIVE

Explanation: This message is issued in response to a QUERY SYSTEM command. One such message is produced for each inactive link in the RSCS facility at the time of command processing. The inactive link is identified by 'linkid'.

System Action: This message is issued for each inactive link in the system.

Operator Action: None.

## 672I NO LINK ACTIVE

Explanation: This message is issued in response to a QUERY SYSTEM ACTIVE command. No link defined in the RSCS facility was active at the time of command processing.

System Action: None.

Operator Action: None.

## 673I NO LINK DEFINED

Explanation: This message is issued in response to a QUERY SYSTEM command. No link was defined in the RSCS facility at the time of command processing.

System Action: None.

Operator Action: None.

## 700I ACTIVATING LINK linkid task type vaddr c

Explanation: The link identified by 'linkid' was inactive and has become active as a result of command processing. The message describes the variable attributes in effect for this active link.

task - the task name associated with the activated link's line driver.  
 type - the ID of the line driver in use by the activated link.  
 vaddr - the virtual device address of the line port in use by the activated link.  
 c - the class or classes of files that can be processed by the activated link.

System Action: The activated link remains active, and the listed attributes remain in effect, until the link is deactivated or the attributes are explicitly modified. The link is activated whether or not a line connection to the remote location is complete. If no line connection exists, the line driver establishes a connection, with operator intervention if necessary. When a connection exists, file transmission begins automatically if a file queue exists for the link.

Operator Action: None.

## 701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid' with no specified line port virtual device address. The link had no defined default line port address, and no common switched line ports were available at the time of command processing.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be retried with a specified line port address, or it can be retried when a common switched line port becomes available.

## 702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid2'. The line port virtual device address specified in the request to activate the link, identified by 'vaddr', was found to be in use by another active link, identified by 'linkid1', at the time of command processing.

System Action: The command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: The command can be retried with a specified line port address that is not in use by another active link, or it can be retried with no line port address specified, in which case an attempt will be made to reserve and utilize a valid line port.

## 703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid' with a line port address identified by 'cuu'. A virtual device at address 'cuu' exists, but it is not a usable line port type device.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be reissued with a specified line port address that is valid and available, or it can be reissued with no line port address at all, in which case an attempt will be made to reserve and utilize a valid line port.

## 704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid' with a line port address identified by

'vaddr'. Either no device was defined for the RSCS virtual machine at virtual address 'vaddr', or the device at that address was completely nonoperational.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be reissued with a specified line port address that is valid and operational, or it can be reissued with no line port address at all, in which case an attempt will be made to select and reserve a valid line port.

705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid' with a driver ID identified by 'type'. The identified line driver could not be located on the disk used for driver task loading, identified by 'vaddr'.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: Verify that the driver ID used was correctly typed. If it was not, reissue the command with a corrected driver ID specification. If the command was correctly typed, notify a person responsible for system support.

706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid'. In the process of loading the link's line driver from the disk identified by 'vaddr', an uncorrectable I/O error was encountered.

System Action: Loading is abandoned, the error is logged, the command processing is terminated, and the link remains inactive.

Operator Action: Reissue the command. If the error condition persists, notify operations or system support personnel.

707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid', with a driver ID identified by 'type'. In the process of reading the driver file and loading the driver into virtual storage, the loader detected an invalid data format in the driver file.

System Action: Loading is abandoned, the command processing is terminated, and normal processing continues.

Operator Action: Verify that the proper driver ID has been used. If an improper driver ID was used, reissue the command with a correct driver ID. If the proper driver ID was used, notify a person responsible for system support.

708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by 'linkid'. During the activation process, a virtual free storage requirement could not be met because there was not enough unclaimed virtual free storage in the system.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: None.

709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED

Explanation: An attempt to activate the link 'linkid', in response to a START command, failed because the task name 'task' specified for use was in use by another task in the system.

System Action: The START command is ignored, and normal processing continues.

Operator Action: Reissue the START command specifying a different task name, or reissue the START command after the task with the conflicting name terminates.

710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED

Explanation: An attempt to activate the link 'linkid', in response to a START command, failed because the maximum allowable number ('nn') of concurrent active links had already been reached.

System Action: The START command is ignored, and normal processing continues.

Operator Action: Reissue the START command after one or more links become inactive.

750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN

Explanation: A START command was issued specifying the link identified by 'linkid'. The link was already active at the time of command processing, and no modifiable attributes were changed from their previous settings.

System Action: None.

Operator Action: None.

DMT

751I LINK linkid ALREADY ACTIVE -- NEW CLASS (ES)  
SET AS REQUESTED

Explanation: A START command was issued specifying the link identified by 'linkid'. The link was already active at the time of command processing, and the new class specification for the link has been accepted.

System Action: The link automatically begins processing files bearing the newly specified class or classes, if any are enqueued on the link.

Operator Action: None.

752I LINK linkid STILL ACTIVE -- DRAIN STATUS  
RESET

Explanation: A START command was issued specifying the link identified by 'linkid'. The link was active at the time of command processing, but it was in the process of terminating as the result of a previous DRAIN command. The link remains active, and the attributes remain as previously set.

System Action: None.

Operator Action: None.

801I LINK linkid ERROR TRACE STARTED

Explanation: As a result of command processing, the link identified by 'linkid' has set its trace mode to trace line errors.

System Action: A message describing line activity will be displayed each time the number of line errors reaches the predefined threshold.

Operator Action: None.

802I LINK linkid TRACE STARTED

Explanation: As a result of command processing, the link identified by 'linkid' has set its trace mode to trace all line activity.

System Action: A message describing line activity is displayed each time the number of line transactions reaches the predefined threshold.

Operator Action: None.

803I LINK linkid TRACE ENDED

Explanation: As a result of command processing, the link identified by 'linkid' has set its trace mode off.

System Action: No further trace messages will be displayed, and normal link processing continues.

Operator Action: None.

810E LINK linkid TRACE ALREADY ACTIVE

Explanation: The link identified by 'linkid' was in trace mode when it received a new command to enter trace mode, with the same options specified as had been active.

System Action: The link remains in trace mode with the previous options set, the command has no effect, and normal link processing continues.

Operator Action: None.

811E LINK linkid TRACE NOT ACTIVE

Explanation: The link identified by 'linkid' was not in trace mode when it received a command to set trace mode off.

System Action: Trace mode remains off for the link, the command has no effect, and normal link processing continues.

Operator Action: None.

901E INVALID SML MODE SPECIFIED -- LINK linkid  
NOT ACTIVATED

Explanation: The RSCS operator has specified an invalid SML (Spool MULTI-LEAVING) mode option in the PARM field of the RSCS START command.

System Action: The specified linkid is not activated.

Operator Action: Reissue the command with the correct SML mode.

902E NON-SIGNON CARD READ ON LINK linkid

Explanation: The first record received from a remote station was not a SIGNON card.

System Action: The sign-on of the remote station on the specified linkid is not allowed.

Operator Action: Correct the problem and repeat the sign-on procedure.

903E PASSWORD SUPPLIED ON LINK linkid IS INVALID

Explanation: An invalid sign-on attempt has occurred.

System Action: The sign-on is not allowed.

- Remote Operator Action: Correct the SIGNON card, reload the station, and sign on again.
- 904E SIGNON PARAMETER=parameter INVALID
- Explanation: An invalid parameter was entered on a SIGNON card.
- System Action: The sign-on is not allowed.
- Operator Action: Correct the SIGNON card, and try again.
- 905I SIGNON OF LINKID linkid COMPLETE
- Explanation: A valid SIGNON card has been received from the link serving linkid and the initialization of the SIGNON parameters is complete.
- System Action: The system now begins to transfer files.
- Operator Action: If only output files are to be handled, no action need be taken. If you want to transfer input to VM/370, follow the operator procedure for initiating card input.
- 906E INVALID SML BUFFER PARAMETER -- LINK linkid NOT ACTIVATED
- Explanation: The RSCS operator has specified an invalid SML buffer size in the buffer option of the PARM field of the RSCS START command.
- System Action: The specified link is not activated.
- Operator Action: Reissue the command with the correct SML buffer size.
- 907E SIGNON TYPE PARAMETER MISSING
- Explanation: The TYPE parameter on the SIGNON card was omitted.
- System Action: The sign-on is not allowed.
- Operator Action: Correct the SIGNON card, reload the station, and sign on again.
- 934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
- Explanation: A file has been entered at a remote station without an ID card identifying the destination.
- System Action: The input file is flushed.
- Remote Operator Action: Place an ID card on the front of the input deck and reenter the input file.
- 935E LINK linkid IN RJE MODE -- PRINT FILE spoolid PURGED
- Explanation: When DMTSML is operating as an RJE (Remote Job Entry) station to a remote batch system, it is unable to transfer print files.
- System Action: The specified file is purged.
- Operator Action: None.
- User Action: The file must be transmitted over a different link.
- 936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
- Explanation: The remote station operating on this link has no remote punch available; therefore, punch files destined for this link cannot be processed.
- System Action: The specified file is purged.
- Operator Action: None.
- User Action: The file must be transmitted over a different link.



IBCDASDI VIRTUAL DISK INITIALIZATION PROGRAM MESSAGES

101W INVALID CARD CODE. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: An invalid code appears in the above card. Probable user error.

User Action: Check for keypunch or multipunch errors. Correct and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

102A CONTROL STATEMENT ERROR JOB TERMINATED

Explanation: A control statement contains an incorrect keyword, parameter, or name field. Probable user error.

User Action: Check for keypunch errors. Correct invalid keyword, parameter, or name fields. Rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

103A STATEMENT SEQUENCE ERROR. JOB TERMINATED.

Explanation: The control statements are not in the proper sequence, or unnecessary utility statements are present. Probable user error.

User Action: Correct the control statement sequence or remove unnecessary statements and rerun the job. If the problem persists, have the console log and the input card deck available before contacting your system support personnel.

104W SVC INTERRUPT. JOB TERMINATED.

Explanation: An unknown SVC interrupt occurred. This program does not issue SVCs.

Operator Action: If the problem persists, have the console log and input card deck available before contacting your system support personnel.

- If running under CMS, or standalone under CP, use the CP DUMP command to dump all of virtual storage and the virtual registers to the printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

105A DEFINE INPUT DEVICE.

Explanation: The input device must be identified to the system by the operator.

Operator Action: Enter the following statement from the console typewriter:

INPUT=dddd,cuu

where dddd is the device type and cuu is the channel and unit address of the input device.

106A THE VOLID IN CONTROL STATEMENT DOES NOT AGREE WITH ID IN VOL LABEL WHICH FOLLOWS.

VOLID=xxxxxx.

Explanation: The VOLID parameter in the control statement did not match the volume serial number found on the receiving volume (xxxxxx). Probable user error.

Operator Action: Correct the statement or mount the correct volume and restart the program. If the problem persists, have the console log and input deck available for reference before contacting your system support personnel.

- If the device referenced on the control statement was a tape unit, have the tape available.
- If the device referenced on the control statement is a direct access device, use the DDR service program to print track 0 and have the output available.

107W TRACK ZERO BAD. JOB TERMINATED.

Explanation: The device cannot be initialized as a systems residence volume due to a defective surface on cylinder 00, track 00.

User Action: This volume cannot contain IPL text as track 0 is defective. Mount another volume and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

108A HA OR RO FIELD BAD. JOB TERMINATED.

Explanation: The device cannot be initialized due to a bad surface area in the home address or track descriptor record areas.

User Action: Mount another pack and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

108I HA OR RO FIELD BAD.

Explanation: The home address or record zero was defective and has been moved down the track (on a 2314 or 2319 disk). The defective track and the alternate track assigned are listed.

User Action: None.

109I TRACK CHK INDICATES TRACK IS GOOD.

Explanation: The track in question is good and no alternate was assigned.

User Action: None.

110I BAD TRACK cccchhhh.

Explanation: A defective track was found at the specified location, where cccc is the cylinder number, hhhh is the head number.

User Action: Make sure that the alternate track assignment message was issued for each bad track.

111I ALTERNATE cccchhhh.

Explanation: An alternate track at the specified location is assigned to replace the defective track (cccc is the cylinder number, hhhh is the head number). If no location is specified with this message, either the defective track is in the alternate track area or the applicable device is a drum device.

User Action: None.

Note: If an alternate track is bad and another alternate is assigned the second alternate will not indicate cchh.

112W ALT TRACKS DEPLETED. JOB TERMINATED.

Explanation: The number of alternate tracks assigned has exceeded the maximum number for this device.

User Action: Mount another volume and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

113W IMPROPER VTOC BEGIN ADDRESS. JOB TERMINATED.

Explanation: The starting address for the VTOC (volume table of contents) cannot be track 0 for any direct access device or track 1 for the 2311 if IPL text is written by the program. Probable user error.

User Action: Change the STRTADR parameter on the VTOCD statement to use another track. If the problem persists, have the console log, input card deck and program

listing available before contacting your system support personnel.

Note: The VTOC cannot: occupy track 0, occupy track 1 on 2311, or start on an alternate track.

153A TYPEWRITER FAILED TO READ LAST MESSAGE. DEPRESS INTERRUPT KEY.

Explanation: The console typewriter failed to read the input message.

Operator Action: Press the console interrupt key and attempt to enter the input message again. If the problem persists, contact your system support personnel.

154A READY READER cuu. DEPRESS INTERRUPT KEY.

Explanation: The reader has a card jam, a transport jam, or is out of cards.

Operator Action: Correct the faulty condition, ready the reader, and press the console interrupt key to continue the program. If the card or transport jam occurs again, reproduce the jammed cards and try again. If the problem persists, contact your system support personnel.

155A READY PRINTER cuu. DEPRESS INTERRUPT KEY.

Explanation: The printer is not ready due to a forms check, an open interlock, or a pressed stop key.

Operator Action: Correct the faulty condition, ready the printer, and press the console interrupt key to continue. If the problem persists, and the printer has become "not ready" without a faulty condition apparent, contact your system support personnel.

156A READY TAPE cuu. DEPRESS INTERRUPT KEY.

Explanation: The tape drive on channel c, unit uu is not ready.

Operator Action: Correct the faulty condition, ready the tape drive, and press the console interrupt key. If the problem persists, and the tape drive had become not ready for no apparent reason, contact your system support personnel.

157A READY DASD cuu. DEPRESS INTERRUPT KEY.

Explanation: The direct access device on channel c, unit uu is not ready.

Operator Action: Correct the faulty condition, ready the direct access drive, and press the console interrupt key. If the problem persists, and the direct access drive has become not ready for no apparent reason, contact your system support personnel.

159A READER CHECK. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: A reader check has occurred.

Operator Action: Correct the faulty condition and clear the reader check. Ready the reader and continue the program by pressing the console interrupt key. If reader checks occur frequently, check the input cards with a card guide for off punched cards. If the cards are punched correctly and are in good condition and reader checks continue, contact your system support personnel.

160A PRINT CHECK. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: A print check has occurred.

Operator Action: Clear the print check by pressing check reset on the printer. Press the interrupt key on the console to continue processing. If the problem persists, contact your system support personnel.

163A END OF JOB.

Explanation: A normal end-of-job condition has occurred.

Diagnostic Messages for IBCDASDI

Diagnostic messages appear in the following format:

number (16-byte text) cuu xx ssss YYYYYYYYYY  
 ##### cccchhhh

where:

c is the channel of the device in error  
 uu is the unit  
 xx is the command code  
 ssss designate status bytes from the CSW  
 YYYYYYYYYY designates the first 6 sense bytes  
 ##### designate the remaining sense bytes for direct access devices  
 cccchhhh is the track address of the direct access device being used when the failure occurred

201W COMMAND REJECT.

Explanation: The specified channel has rejected an incorrect channel command word (CCW) list. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel.

- If running under CMS, or standalone under CP, then the CP dump command should be invoked to dump all of virtual storage and the virtual registers to produce a storage dump to a printer. The dump output should be saved.

- If running standalone on a bare machine, then a standalone dump should be taken and the output saved.

202A INTERV. REQUIRED.

Explanation: The specified device is not ready.

Operator Action: The specified device requires operator intervention to make it ready. If the device becomes not ready for no apparent reason, contact your system support personnel.

203W BUS. OUT CHECK.

Explanation: A bus out check has occurred on the specified channel. Job is terminated. Probable hardware error.

Operator Action: If the problem persists, have the console log and input card deck available before contacting your system support personnel.

204W EQUIPMENT CHECK.

Explanation: An equipment failure has occurred. The job is terminated.

205W DATA CHECK.

Explanation: A solid data check has occurred on the specified device. The job is terminated. Probable hardware error.

Operator Action: If the problem persists, contact your system support personnel.

206W OVERRUN.

Explanation: An overrun check has occurred on the specified channel. The job is terminated..

Programmer Action: Rerun the job. If the problem persists, contact your system support personnel.

208W DATA CONV. CHECK.

Explanation: A data converter check has occurred on the specified device. The job is terminated.

Operator Action: Move data to another device and rerun the job. If the problem persists, contact your system support personnel.

## 209W END OF CYLINDER.

Explanation: An unusual end-of-cylinder condition has occurred on the specified device. The job is terminated.

Programmer Action: Rerun the job. If the problem persists, contact your system support personnel.

## 210W INVALID ADDRESS.

Explanation: An invalid address has been issued to the specified device. The job is terminated.

Programmer Action: Determine if the cccchhhh address shown in the message is valid for the device indicated. If the problem persists, have the console log and associated output available before contacting your system support personnel.

## 211W NOT AVAILABLE.

Explanation: The specified device is not attached to the system. The job is terminated.

Operator Action: Ensure that the ENABLE/DISABLE switch on the device and/or control unit is in the ENABLE position. If the problem persists, contact your system support personnel.

## 212W READ DATA CHECK.

Explanation: A permanent read data check has been detected on the specified tape unit. The job is terminated.

Operator Action: Clean tape unit read/write heads and rerun the job. If the error persists, contact your system support personnel.

## 214W TRACK OVERRUN.

Explanation: A track overrun condition has occurred. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

- If running under CMS, or standalone under CP, invoke the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

## 215W FILE PROTECTED.

Explanation: The specified device is file protected. The job is terminated.

Operator Action: If the volume is to be read only, no response is necessary. If the volume is to be written on and the device is a tape unit, install a write-enable ring. If the problem persists, contact your system support personnel.

## 217W NO RECORD FOUND.

Explanation: The indicated condition has occurred on the specified direct access device. The job is terminated.

## 218W INVALID ERROR.

Explanation: An invalid error return has occurred. The job is terminated.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

## 219W WRONG ERROR.

Explanation: The error return is valid but is not associated with the specified device. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

## 220W CHAN. CTRL. ERROR.

Explanation: A channel control check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

## 221W INTERFACE ERROR.

Explanation: An interface control check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

## 222W CHAN. DATA CHECK.

Explanation: A channel data check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

## 223W DASD OVERFLOW.

Explanation: An "overflow incomplete" condition has occurred on the specified direct access device. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

## 224W PROGRAM CHECK.

Explanation: A program check has occurred due to an incorrect channel command word (CCW). The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

- Have the associated control cards and output listing available.
- If running under CMS, or standalone under CP, invoke the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

## 225W PROTECTION CHECK.

Explanation: A protection check has occurred on the specified device. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

- If running under CMS, or standalone under CP, invoke the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

## 226W UNIT EXCEPTION.

Explanation: A unit exception has occurred on the specified unit. The job is terminated.

Operator Action: None.

## 227W INCORRECT LENGTH.

Explanation: The indicated condition has occurred on the specified unit. The job is terminated.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

## 228W CHAINING CHECK.

Explanation: A chaining check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Do the following before contacting your system support personnel:

- If running under CMS, or standalone under CP, invoke the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

## 229W COMMAND SEQ. ERR.

Explanation: An invalid sequence of channel command words (CCWs) was issued. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

- If running under CMS, or standalone under CP, invoke the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

## 230W SEEK CHECK ERROR.

Explanation: An invalid SEEK address was issued, or a unit malfunction caused a SEEK check. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, have the console log and input deck available before contacting your system support personnel.

## 231W WRITE DATA CHECK.

Explanation: A permanent write data check has occurred on the specified tape unit. The job is terminated.

Operator Action: Clean the read/write heads of the indicated tape unit and rerun the job. If the problem persists, contact your system support personnel.

Operator Response: Probable hardware error. Call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

232W TAPE -- LOAD POINT.

Explanation: A "tape at load point" condition has occurred on the specified tape unit. The job is terminated.

Operator Action: None.

239W 3 BLANK TRACKS.

Explanation: Three blank tracks have been encountered within one cylinder.

Programmer Response: Probable hardware error. If the problem recurs, call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

234W MISSING ADR-MARK.

Explanation: A "missing address marker" condition has occurred on the specified device. The job is terminated.

Operator Action: None. If the problem persists, contact your system support personnel.

242W INVALID TRK FMT

Explanation: An attempt was made to write data exceeding track capacity on the specified device. The job is terminated.

Programmer Action: Check your input specification and retry. If the problem persists, contact your system support personnel.

235W BLANK TRACK.

Explanation: A blank track has been encountered on the specified data cell.

243W WRITE INHIBITED

Explanation: The WRITE INHIBIT switch is probably set ON in the 3330 control unit to inhibit execution when the WRITE command is encountered.

Operator Action: Check the status of the WRITE INHIBIT switch:

- If the WRITE INHIBIT switch is set ON to intentionally inhibit execution of WRITE commands, follow procedures established at your installation.
- If the WRITE INHIBIT switch is set off to allow execution of WRITE commands, rerun the job. If the problem persists, contact your system support personnel.

236W 3 BLANK CYLINDERS.

Explanation: Three blank cylinders have been encountered during the analysis of a strip.

Operator Response: Probable hardware error. Call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

237W 3 BLANK STRIPS.

Explanation: Three blank strips have been encountered within one subcell.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

249W I/O ERROR, JOB TERMINATED.

Explanation: This message follows all messages that describe input/output error conditions.

238W 3 BLANK SUBCELLS.

Explanation: Three blank subcells have been encountered within a cell.

**EREP MESSAGES**

The following EREP messages are part of the OS/VS2 EREP module, IPCEREPO, contained in the CMS EREPLIB TXTLIB or ERPTFLIB TXTLIB. The EREP libraries are used whenever the CPERE command is invoked. Other messages produced by CPERE are contained in the CMS modules DMSREA and DMSIFC; see the list of messages for the CPERE command in "Appendix A. Command-to-Message Cross-Reference."

User Action: If the ddname is EREPPT, ensure that a printer is attached to the virtual machine or defined in the user's directory entry. If the ddname is ACCDEV, ensure that a tape drive is attached to the virtual machine at virtual address 181.

If the devices were properly defined and attached, change the device or volume that caused the error.

**010I ddname FAILED TO OPEN**

Explanation: The data set definition statement whose ddname is specified in the message text is coded incorrectly or is missing. The input data set could not be opened.

System Action: RC = 4  
Execution of the command terminates. The system status remains the same.

User Action: Ensure that an input tape device is attached to your virtual machine at virtual address 182 and reissue the CPERE command. If the error persists, call your system support personnel for software support.

Reissue the CPERE command. If the problem persists, call your system support personnel for hardware support.

**017I INPUT ERRORS HAVE EXCEEDED MAX**

Explanation: More than 16 input errors have occurred during this execution of the DMSIFC program.

System Action: RC = 4  
Execution of the command terminates. The system status remains the same.

User Action: Execute the DDR service program to obtain a dump of the error recording cylinder. Then issue the CPERE command with the CLEARALL operand to reinitialize the error recording cylinders. If the problem persists, call your system support personnel for hardware support.

**013I ddname INPUT ERROR**

Explanation: An uncorrectable input error has occurred on the data set whose ddname is specified in the message text.

System Action: RC = 0  
The program continues processing. The record that caused the input error is ignored.

Programmer Action: Execute the DDR service program to obtain a dump of the error recording cylinder on which the input error occurred. Reconstruct the data on the error recording cylinders. If the reconstruction process is successful, initiate the CPERE operation again. If the error recurs, call your system support personnel.

**018I ddname END OF DATA BEFORE PROGRAM END**

Explanation: The EREP program found the end of data on the data set associated with ddname before the program was complete. The problem probably resulted from an input/output error.

System Action: RC = 4  
Execution of the command terminates. The system status remains the same.

User Action: Execute the DDR service program to obtain a dump of the error recording cylinders. Then issue the CPERE command with the CLEARALL operand to reinitialize the error recording cylinders. If the problem persists, call your system support personnel for hardware support.

**015I ddname OUTPUT ERROR**

Explanation: An uncorrectable output error has occurred on the data set whose ddname is in the message text. Possible hardware error.

System Action: The system action depends on the data set on which the error occurred.

- If the ddname is EREPPT, DMSIFC terminates.
- If the ddname is ACCDEV, processing continues without further accumulation.

**019I PARAMETER FIELD SYNTAX ERROR**

Explanation: A keyword or operand in the input parameter string is coded incorrectly.

System Action: RC = 4  
Execution of the command terminates. The system status remains the same.

| User Action: Check the input parameters for |  
 | syntax errors and correct any errors found. |  
 | Execute the CPERE command again. If the |  
 | error persists, call your system support |  
 | personnel.

subfields and correct any errors found.  
 Execute the CPERE command again. If the  
 error persists, call your system support  
 personnel.

## 01AI PARAMETERS CONFLICT

| Explanation: Two of the parameters or |  
 | parameter subfields contain conflicting |  
 | options. For example, the second yrday in |  
 | the DATE=(yrday,yrday) parameter may be |  
 | less than the first yrday.

| System Action: RC = 4 |  
 | Execution of the command terminates. The |  
 | system status remains the same.

| User Action: Check the input parameters for |  
 | conflicting parameters or parameter

## 01BI DUPLICATE KEYWORD FOUND

| Explanation: Two identical keywords were |  
 | specified in the input parameter string.

| System Action: RC = 4 |  
 | Execution of the command terminates. The |  
 | system status remains the same.

| User Action: Check the input parameters and |  
 | eliminate one of the duplicate keywords. |  
 | Execute the CPERE command again. If the |  
 | error persists, call your system support |  
 | personnel.





APPENDIX A. COMMAND-TO-MESSAGE CROSS-REFERENCE

Below is an alphabetical listing of CP, CMS, and RSCS commands and VM/370 service programs, together with their associated messages. Under each command, the messages are listed in message-number sequence within module code.

CP MESSAGE SUMMARY

ACNT

DMKCPV003E INVALID OPTION - option  
DMKCPV007E INVALID USERID - userid  
DMKCPV020E USERID MISSING OR INVALID  
DMKCPV045E userid NOT LOGGED ON  
DMKCPV143E type raddr IN USE BY SYSTEM

ADSTOP

DMKCFD004E INVALID HEXLOC - hexloc  
DMKCFD026E OPERAND MISSING OR INVALID  
DMKCFD160E HEXLOC hexloc EXCEEDS STORAGE  
DMKCFD164E HEXLOC hexloc NON-ADDRESSABLE STORAGE  
DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

ATTACH

DMKVDB003E INVALID OPTION - option  
DMKVDB006E INVALID DEVICE TYPE - addr  
DMKVDB020E USERID MISSING OR INVALID  
DMKVDB022E VADDR MISSING OR INVALID  
DMKVDB023E VOLID MISSING OR INVALID  
DMKVDB034E CHANNEL MISSING OR INVALID  
DMKVDB040E DEV addr DOES NOT EXIST  
DMKVDB045E userid NOT LOGGED ON  
DMKVDB046E type raddr OFFLINE  
DMKVDB120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED  
DMKVDB122E type raddr ALREADY ATTACHED to userid  
DMKVDB123E DASD raddr CP OWNED  
DMKVDB124E DASD raddr IN USE BY nnn USERS  
DMKVDB125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM  
DMKVDB126E DASD raddr ERROR READING VOLID  
DMKVDB127E DASD raddr VOLID volid DOES NOT MATCH  
DMKVDB128E DASD raddr ERROR READING ALLOCATION RECORD  
DMKVDB134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED  
DMKVDB142E type raddr NOT DRAINED  
DMKVDB143E type raddr IN USE BY SYSTEM  
DMKVDS465W CTRL raddr EMULATOR LINES IN USE BY SYSTEM

ATTACH CHANNEL

DMKVCH034E CHANNEL MISSING OR INVALID  
DMKVCH048E CHANNEL x DOES NOT EXIST  
DMKVCH129E CHANNEL x DEVICES IN USE  
DMKVCH132E CHANNEL x ALREADY DEFINED BY userid  
DMKVDB020E USERID MISSING OR INVALID  
DMKVDB045E userid NOT LOGGED ON

AUTOLOG

DMKLOG059E AUTOLOG FAILED FOR userid -  
{IPL MISSING|IPL FAILED|ACCOUNTING ERROR}  
DMKLOG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

BACKSPAC

DMKCS0003E INVALID OPTION - option  
DMKCS0006E INVALID DEVICE TYPE - addr  
DMKCS0021E RADDR MISSING OR INVALID  
DMKCS0040E DEV addr DOES NOT EXIST  
DMKCS0046E type raddr OFFLINE  
DMKCS0140E type raddr ATTACHED TO userid  
DMKCS0141E type raddr NOT ACTIVE

## BEGIN

DMKCFC004E INVALID HEXLOC - hexloc

## CHANGE

DMKCSU003E INVALID OPTION - option  
 DMKCSU006E INVALID DEVICE TYPE - addr  
 DMKCSU008E INVALID SPOOLID - spoolid  
 DMKCSU013E CONFLICTING OPERAND - operand  
 DMKCSU026E OPERAND MISSING OR INVALID  
 DMKCSU027E SPOOLID MISSING OR INVALID  
 DMKCSU028E CLASS MISSING OR INVALID  
 DMKCSU029E FNAME PTYPE MISSING OR INVALID  
 DMKCSU030E COPIES MISSING OR INVALID  
 DMKCSU032E DIST CODE MISSING OR INVALID  
 DMKCSU035E DEVICE TYPE MISSING OR INVALID  
 DMKCSU042E SPOOLID nnnn DOES NOT EXIST

## CLOSE

DMKCSF003E INVALID OPTION - option  
 DMKCSF006E INVALID DEVICE TYPE - addr  
 DMKCSF013E CONFLICTING OPERAND - operand  
 DMKCSF022E VADDR MISSING OR INVALID  
 DMKCSF029E FNAME PTYPE MISSING OR INVALID  
 DMKCSF032E DIST CODE MISSING OR INVALID  
 DMKCSF040E DEV addr DOES NOT EXIST

## COUPLE

DMKDIA006E INVALID DEVICE TYPE - addr  
 DMKDIA011E INVALID DEVICE TYPE - userid vaddr  
 DMKDIA020E USERID MISSING OR INVALID  
 DMKDIA022E VADDR MISSING OR INVALID  
 DMKDIA040E DEV addr DOES NOT EXIST  
 DMKDIA045E userid NOT LOGGED ON  
 DMKDIA047E userid vaddr DOES NOT EXIST  
 DMKDIA058E CTCA vaddr BUSY ON userid

## DCP

DMKCDB003E INVALID OPTION - option  
 DMKCDB004E INVALID HEXLOC - hexloc  
 DMKCDB009E INVALID RANGE - range  
 DMKCDB010E INVALID REGISTER - register  
 DMKCDB026E OPERAND MISSING OR INVALID  
 DMKCDB033E HEXLOC MISSING OR INVALID  
 DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

## DDR

DMKDDR700E INPUT UNIT IS NOT A CPVOL  
 DMKDDR701E INVALID OPERAND - xxxxxx  
 DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR  
 DMKDDR703E OPERAND MISSING  
 DMKDDR704E DEV cuu NOT OPERATIONAL  
 DMKDDR705E IO ERROR cuu CSW csw SENSE sense  
 INPUT bbcchh OUTPUT bbcchh CCW ccw  
 DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKDDR708E INVALID INPUT OR OUTPUT DEFINITION  
 DMKDDR709E WRONG INPUT TAPE MOUNTED  
 DMKDDR710A DEV cuu INTERVENTION REQUIRED  
 DMKDDR711R VOLID READ IS volid2 [NOT volid1]  
 DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:  
 DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20  
 DMKDDR713E OVERLAPPING OR INVALID EXTENTS  
 DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE  
 DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK  
 DMKDDR716R NO VOL1 LABEL FOUND [FOR xxxxxx] DO YOU WISH TO CONTINUE?  
 RESPOND YES OR NO OR REREAD:  
 DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2.  
 DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:  
 DMKDDR718E OUTPUT UNIT IS FILE PROTECTED  
 DMKDDR719E INVALID FILE NAME OR FILE NOT FOUND  
 DMKDDR720E ERROR IN routine  
 DMKDDR721E RECORD cchhr NOT FOUND  
 DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS  
 DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT  
 DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP

DDR (continued)

DMKDDR725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE.  
DO YOU WISH TO CONTINUE? RESPOND YES OR NO:  
DMKDDR756E PROGRAM CHECK PSW = psw

DEFINE

DMKDEF003E INVALID OPTION - option  
DMKDEF022E VADDR MISSING OR INVALID  
DMKDEF024E CYLS MISSING OR INVALID  
DMKDEF025E STORAGE MISSING OR INVALID  
DMKDEF026E OPERAND MISSING OR INVALID  
DMKDEF040E DEV addr DOES NOT EXIST  
DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE  
DMKDEF092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED  
DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM  
DMKDEF136E TYPE vaddr NOT DEFINED; CHAN x DEDICATED

DETACH

DMKVDB006E INVALID DEVICE TYPE - addr  
DMKVDB020E USERID MISSING OR INVALID  
DMKVDB021E RADDR MISSING OR INVALID  
DMKVDB022E VADDR MISSING OR INVALID  
DMKVDB040E DEV addr DOES NOT EXIST  
DMKVDB045E userid NOT LOGGED ON  
DMKVDB046E type raddr OFFLINE  
DMKVDB121E type raddr NOT ATTACHED to userid  
DMKVDB123E DASD raddr CP OWNED  
DMKVDB124E DASD raddr IN USE BY nnn USERS  
DMKVDB135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED  
DMKVDB140E type raddr ATTACHED TO userid

DETACH CHANNEL

DMKVCH034E CHANNEL MISSING OR INVALID  
DMKVCH048E CHANNEL x DOES NOT EXIST  
DMKVCH130E CHANNEL x NOT ATTACHED TO userid  
DMKVDB020E USERID MISSING OR INVALID  
DMKVDB034E CHANNEL MISSING OR INVALID

DIAL

DMKDIA011E INVALID DEVICE TYPE - userid vaddr  
DMKDIA020E USERID MISSING OR INVALID  
DMKDIA022E VADDR MISSING OR INVALID  
DMKDIA045E userid NOT LOGGED ON  
DMKDIA047E userid vaddr DOES NOT EXIST  
DMKDIA055E LINE(S) NOT AVAILABLE ON userid  
DMKDIA056E LINE vaddr BUSY ON userid  
DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE  
DMKDIA707A DIAL FUNCTION NOT AVAILABLE

DIRECT

DMKDIR751E INVALID OPERAND - xxxxxx  
DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user  
DMKDIR753E OPERAND MISSING  
DMKDIR754E DEV cuu NOT OPERATIONAL  
DMKDIR755E IO ERROR cuu CSW csw SENSE sense  
DMKDIR756E PROGRAM CHECK PSW = psw  
DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
DMKDIR758E DUPLICATE UNIT DEFINITION  
DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY  
DMKDIR761E VOLID READ IS volid1 NOT volid2  
DMKDIR762E DIRECTORY STATEMENT MISSING  
DMKDIR763E INVALID FILENAME OR FILE NOT FOUND  
DMKDIR764E ERROR IN routine

DISABLE

DMKCPV003E INVALID OPTION - option  
DMKCPV006E INVALID DEVICE TYPE - addr  
DMKCPV021E RADDR MISSING OR INVALID  
DMKCPV026E OPERAND MISSING OR INVALID  
DMKCPV040E DEV addr DOES NOT EXIST  
DMKCPV046E type raddr OFFLINE  
DMKCPV140E type raddr ATTACHED TO userid

DISCONN

DMKUSO003E INVALID OPTION - option

DISPLAY

DMKCDB003E INVALID OPTION - option  
DMKCDB004E INVALID HEXLOC - hexloc  
DMKCDB009E INVALID RANGE - range  
DMKCDB010E INVALID REGISTER - register  
DMKCDB026E OPERAND MISSING OR INVALID  
DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

DMCP

DMKCDB003E INVALID OPTION - option  
DMKCDB004E INVALID HEXLOC - hexloc  
DMKCDB009E INVALID RANGE - range  
DMKCDB033E HEXLOC MISSING OR INVALID  
DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

DRAIN

DMKCSO003E INVALID OPTION - option  
DMKCSO006E INVALID DEVICE TYPE - addr  
DMKCSO021E RADDR MISSING OR INVALID  
DMKCSO040E DEV addr DOES NOT EXIST  
DMKCSO046E type raddr OFFLINE  
DMKCSO140E type raddr ATTACHED TO userid

DUMP

DMKCDB003E INVALID OPTION - option  
DMKCDB004E INVALID HEXLOC - hexloc  
DMKCDB009E INVALID RANGE - range  
DMKCDB033E HEXLOC MISSING OR INVALID  
DMKCDB006E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE  
DMKCDB061E DUMP FAILED; VIRTUAL PRINTER ERROR  
DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

ECHO

None.

ENABLE

DMKCPV003E INVALID OPTION - option  
DMKCPV006E INVALID DEVICE TYPE - addr  
DMKCPV021E RADDR MISSING OR INVALID  
DMKCPV026E OPERAND MISSING OR INVALID  
DMKCPV040E DEV addr DOES NOT EXIST  
DMKCPV046E type raddr OFFLINE  
DMKCPV140E type raddr ATTACHED to userid

EXTERNAL

DMKCPB005E INVALID HEXDATA - hexdata

FLUSH

DMKCSO003E INVALID OPTION - option  
DMKCSO006E INVALID DEVICE TYPE - addr  
DMKCSO013E CONFLICTING OPERAND - operand  
DMKCSO021E RADDR MISSING OR INVALID  
DMKCSO040E DEV addr DOES NOT EXIST  
DMKCSO046E type raddr OFFLINE  
DMKCSO140E type raddr ATTACHED TO userid  
DMKCSO141E type raddr NOT ACTIVE

FORCE

DMKUSO003E INVALID OPTION - option  
DMKUSO020E USERID MISSING OR INVALID  
DMKUSO045E userid NOT LOGGED ON

FREE

DMKCSO006E INVALID DEVICE TYPE - addr  
DMKCSO007E INVALID USERID - userid  
DMKCSO020E USERID MISSING OR INVALID  
DMKCSO053E userid NOT IN CP DIRECTORY

HALT

DMKCPV021E RADDR MISSING OR INVALID  
DMKCPV040E DEV addr DOES NOT EXIST  
DMKCPV144W type vaddr RESET BY userid

HOLD

DMKCSB006E INVALID DEVICE TYPE - addr  
DMKCSB007E INVALID USERID - userid  
DMKCSB020E USERID MISSING OR INVALID  
DMKCSB053E userid NOT IN CP DIRECTORY

INDICATE

DMKTHI002E INVALID OPERAND - operand  
DMKTHI003E INVALID OPTION - option  
DMKTHI026E OPERAND MISSING OR INVALID  
DMKTHI045E userid NOT LOGGED ON

IPL

DMKCFG002E INVALID OPERAND - operand  
DMKCFG003E INVALID OPTION - option  
DMKCFG013E CONFLICTING OPTION - option  
DMKCFG022E VADDR MISSING OR INVALID  
DMKCFG026E OPERAND MISSING OR INVALID  
DMKCFG040E DEV addr DOES NOT EXIST  
DMKCFG044E SYSTEM name DOES NOT EXIST  
DMKCFG170E SYSTEM name EXCEEDS STORAGE  
DMKCFG171E SYSTEM name VOLID valid NOT MOUNTED  
DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES  
DMKCFG173E SYSTEM name REQUIRES DASD vaddr  
DMKCFG174E PAGING I/O ERROR; IPL FAILED  
DMKCFG177E PARM EXCEEDS 64 CHARACTERS  
DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS  
DMKCPI185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy  
DMKVMIO22E VADDR MISSING OR INVALID  
DMKVMIO230E IPL SIO ERROR  
DMKVMIO231E IPL TIO ERROR  
DMKVMIO232E IPL UNIT ERROR; CSW xxxxxxxx xxxxxxxx SNS xxxxxxxxxxxx  
DMKVMIO233E IPL OVERLAY ERROR  
DMKVMIO234E IPL SENSE ERROR

LINK

DMKLNK020E USERID MISSING OR INVALID  
DMKLNK022E VADDR MISSING OR INVALID  
DMKLNK052E ERROR IN CP DIRECTORY  
DMKLNK053E userid NOT IN CP DIRECTORY  
DMKLNK101W DASD vaddr FORCED R/O; R/O BY nnn USERS  
DMKLNK102W DASD vaddr FORCED R/O; R/W BY nnn USERS  
DMKLNK103W DASD vaddr FORCED R/O; R/W BY nnn USERS; R/O BY nnn USERS  
DMKLNK104E userid vaddr NOT LINKED; R/O BY nnn USERS  
DMKLNK105E userid vaddr NOT LINKED; R/W BY nnn USERS  
DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY nnn USERS  
DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY  
DMKLNK108E userid vaddr NOT LINKED; VOLID valid NOT MOUNTED  
DMKLNK109E userid vaddr NOT LINKED; INVALID LINK DEVICE  
DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED  
DMKLNK111E userid vaddr NOT LINKED; NO READ PASSWORD  
DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD  
DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD  
DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT  
DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS  
DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE  
DMKLNK117E USERID USERID NOT LINKED; VOLID valid CONFLICT  
DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED

LOADBUF

DMKCSB003E INVALID OPTION - option  
DMKCSB006E INVALID DEVICE TYPE - addr  
DMKCSB013E CONFLICTING OPERAND - operand  
DMKCSB021E RADDR MISSING OR INVALID  
DMKCSB026E OPERAND MISSING OR INVALID  
DMKCSB031E BUFFER MISSING OR INVALID  
DMKCSB036E INDEX MISSING OR INVALID  
DMKCSB046E type raddr OFFLINE  
DMKCSB040E DEV addr DOES NOT EXIST  
DMKCSB043E BUFFER name DOES NOT EXIST  
DMKCSB140E type raddr ATTACHED TO userid  
DMKCSB142E type raddr NOT DRAINED  
DMKCSB148E type raddr BUFFER LOAD name FAILED

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LOADVFCB
| DMKCSB006E INVALID DEVICE TYPE - addr
| DMKCSB022E VADDR MISSING OR INVALID
| DMKCSB026E OPERAND MISSING OR INVALID
| DMKCSB031E BUFFER MISSING OR INVALID
| DMSCSB036E INDEX MISSING OR INVALID
| DMKCSB040E DEV addr DOES NOT EXIST
| DMKCSB043E BUFFER name DOES NOT EXIST

LOCATE
DMKCFD021E RADDR MISSING OR INVALID
DMKCFD022E VADDR MISSING OR INVALID
DMKCFD026E OPERAND MISSING OR INVALID
DMKCFD040E DEV addr DOES NOT EXIST

LOCK
DMKCPV004E INVALID HEXLOC - hexloc
DMKCPV009E INVALID RANGE - range
DMKCPV020E USERID MISSING OR INVALID
DMKCPV033E HEXLOC MISSING OR INVALID
DMKCPV045E userid NOT LOGGED ON
DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE

LOGON
DMKLOG003E INVALID OPTION - option
DMKLOG020E USERID MISSING OR INVALID
DMKLOG050E PASSWORD INCORRECT
DMKLOG051E MAXIMUM USERS EXCEEDED
DMKLOG052E ERROR IN CP DIRECTORY
DMKLOG053E userid NOT IN CP DIRECTORY
DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr
DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE
DMKLOG091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY

LOGOFF
DMKUSO003E INVALID OPTION - option

MONITOR
DMKMCC002E INVALID OPERAND - operand
DMKMCC003E INVALID OPTION - option
DMKMCC006E INVALID DEVICE TYPE - addr
DMKMCC021E RADDR MISSING OR INVALID
DMKMCC026E OPERAND MISSING OR INVALID
DMKMCC040E DEV addr DOES NOT EXIST
DMKMCC046E type raddr OFFLINE
DMKMCC140E type raddr ATTACHED TO userid
DMKMCC143E type raddr IN USE BY SYSTEM
DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE
DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE
DMKMCC214E MONITOR CPTRACE IS NOT ACTIVE
DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY
DMKMCC216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP
DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED
DMKMCC218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O
DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM
DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

MSG
DMKMSG003E INVALID OPTION - option
DMKMSG020E USERID MISSING OR INVALID
DMKMSG045E userid NOT LOGGED ON
DMKMSG057W userid NOT RECEIVING; DISCONNECTED

NCPDUMP
DMKRND850I UNABLE TO READ DUMP FROM READER
DMKRND851I TEN DUMP FILES ALREADY EXIST
DMKRND852I FATAL I/O ERROR WRITING DUMP
DMKRND853I NO DUMP FILES EXIST
DMKRND860I FATAL I/O ERROR READING DUMP
DMKRND861E DUMP FILE 'filename' NOT FOUND
DMKRND863E INVALID PARAMETER - parameter

```

NETWORK

DMKNES002E INVALID OPERAND - operand  
 DMKNES004E INVALID HEXLOC - hexloc  
 DMKNES006E INVALID DEVICE TYPE - raddr  
 DMKNES009E INVALID RANGE - range  
 DMKNES021E RADDR MISSING OR INVALID  
 DMKNES026E OPERAND MISSING OR INVALID  
 DMKNES040E DEV raddr DOES NOT EXIST  
 DMKNES046E {DEV rid|type raddr} OFFLINE  
 DMKNES049E type raddr IN USE  
 DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE  
 DMKNES140E CTRL raddr ATTACHED TO userid  
 DMKNES160E HEXLOC hexloc EXCEEDS STORAGE  
 DMKNES175E {NETWORK|TRACE} ALREADY IN USE BY USERID  
 DMKNES706E LINE addr NOT ENABLED  
 DMKNET002E INVALID OPERAND - operand  
 DMKNET003E INVALID OPTION - option  
 DMKNET004E INVALID HEXLOC - hexloc  
 DMKNET006E INVALID DEVICE TYPE - raddr  
 DMKNET009E INVALID RANGE - range  
 DMKNET021E RADDR MISSING OR INVALID  
 DMKNET026E OPERAND MISSING OR INVALID  
 DMKNET033E HEXLOC MISSING OR INVALID  
 DMKNET040E DEV raddr DOES NOT EXIST  
 DMKNET046E {DEV rid|type raddr} OFFLINE  
 DMKNET049E type raddr IN USE  
 DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE  
 DMKNET140E type raddr ATTACHED TO userid  
 DMKNET160E HEXLOC hexloc EXCEEDS STORAGE  
 DMKNLD002E INVALID OPERAND - operand  
 DMKNLD003E INVALID OPTION - option  
 DMKNLD006E INVALID DEVICE TYPE - raddr  
 DMKNLD021E RADDR MISSING OR INVALID  
 DMKNLD026E OPERAND MISSING OR INVALID  
 DMKNLD040E DEV addr DOES NOT EXIST  
 DMKNLD044E SYSTEM name DOES NOT EXIST  
 DMKNLD046E CTRL raddr OFFLINE  
 DMKNLD140E CTRL raddr ATTACHED TO userid  
 DMKNLD143E CTRL 'raddr' IN USE BY SYSTEM  
 DMKNLD170E SYSTEM name EXCEEDS STORAGE  
 DMKNLD171E SYSTEM name VOLID volid NOT MOUNTED  
 DMKNLD460E CTRL raddr {LOAD|DUMP} FAILED: PROGRAM CHECK  
 DMKNLD461R CTRL raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE  
 DMKNLD469E CTRL raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE  
 DMKNLD470E CTRL raddr {LOAD|DUMP} FAILED: PAGING I/O ERROR  
 DMKNLD471E CTRL raddr {LOAD|DUMP} FAILED: UNRECOVERABLE I/O ERROR

NOTREADY

DMKCPB006E INVALID DEVICE TYPE - addr  
 DMKCPB022E VADDR MISSING OR INVALID  
 DMKCPB040E DEV addr DOES NOT EXIST

ORDER

DMKCSU003E INVALID OPTION - option  
 DMKCSU006E INVALID DEVICE TYPE - addr  
 DMKCSU008E INVALID SPOOLID -spoolid  
 DMKCSU026E OPERAND MISSING OR INVALID  
 DMKCSU027E SPOOLID MISSING OR INVALID  
 DMKCSU028E CLASS MISSING OR INVALID  
 DMKCSU035E DEVICE TYPE MISSING OR INVALID  
 DMKCSU042E SPOOLID nnnn DOES NOT EXIST

PURGE

DMKCSU003E INVALID OPTION - option  
 DMKCSU006E INVALID DEVICE TYPE - addr  
 DMKCSU008E INVALID SPOOLID -spoolid  
 DMKCSU026E OPERAND MISSING OR INVALID  
 DMKCSU028E CLASS MISSING OR INVALID  
 DMKCSU035E DEVICE TYPE MISSING OR INVALID  
 DMKCSU042E SPOOLID nnnn DOES NOT EXIST

QUERY

DMKCFC026E OPERAND MISSING OR INVALID  
 DMKCQG020E USERID MISSING OR INVALID  
 DMKCQG022E VADDR MISSING OR INVALID



QUERY (continued)

DMKCQG027E SPOOLID MISSING OR INVALID  
DMKCQG040E DEV addr DOES NOT EXIST  
DMKCQG042E SPOOLID nnnn DOES NOT EXIST  
DMKCQG045E userid NOT LOGGED ON  
DMKCQP003E INVALID OPTION - option  
DMKCQP006E INVALID DEVICE TYPE - addr  
DMKCQP020E USERID MISSING OR INVALID  
DMKCQP021E RADDR MISSING OR INVALID  
DMKCQP022E VADDR MISSING OR INVALID  
DMKCQP040E DEV addr DOES NOT EXIST  
DMKCQP045E userid NOT LOGGED ON  
DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE  
DMKCQR003E INVALID OPTION - option  
DMKCQR020E USERID MISSING OR INVALID  
DMKCQR026E OPERAND MISSING OR INVALID  
DMKCQR028E CLASS MISSING OR INVALID  
DMKCQR045E userid NOT LOGGED ON

READY

DMKCPB022E VADDR MISSING OR INVALID  
DMKCPB040E DEV addr DOES NOT EXIST  
DMKCPV006E INVALID DEVICE TYPE - addr

REPEAT

DMKCS0003E INVALID OPTION - option  
DMKCS0006E INVALID DEVICE TYPE - addr  
DMKCS0013E CONFLICTING OPERAND - operand  
DMKCS0021E RADDR MISSING OR INVALID  
DMKCS0030E COPIES MISSING OR INVALID  
DMKCS0040E DEV addr DOES NOT EXIST  
DMKCS0046E type raddr OFFLINE  
DMKCS0140E type raddr ATTACHED TO userid  
DMKCS0141E type raddr NOT ACTIVE

RESET

DMKCPB022E VADDR MISSING OR INVALID  
DMKCPB040E DEV addr DOES NOT EXIST

REWIND

DMKCPB006E INVALID DEVICE TYPE - addr  
DMKCPB022E VADDR MISSING OR INVALID  
DMKCPB040E DEV addr DOES NOT EXIST

SAVESYS

DMKCFG026E OPERAND MISSING OR INVALID  
DMKCFG044E SYSTEM name DOES NOT EXIST  
DMKCFG170E SYSTEM name EXCEEDS STORAGE  
DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED  
DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES  
DMKCFG173E SYSTEM name REQUIRES DASD vaddr  
DMKCFG179E SYSTEM name VOLID volid NOT CP OWNED  
DMKCFG435E PAGING ERROR WRITING SAVED SYSTEM  
DMKCFG436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

SET

DMKCF0003E INVALID OPTION - option  
DMKCF0006E INVALID DEVICE TYPE - addr  
DMKCF0013E CONFLICTING OPTION - option  
DMKCF0020E USERID MISSING OR INVALID  
DMKCF0021E RADDR MISSING OR INVALID  
DMKCF0026E OPERAND MISSING OR INVALID  
DMKCF0040E DEV addr DOES NOT EXIST  
DMKCF0041E LOGMSG nn DOES NOT EXIST  
DMKCF0045E userid NOT LOGGED ON  
DMKCF0046E type raddr OFFLINE  
DMKCF0140E type raddr ATTACHED TO userid  
DMKCF0143E type raddr IN USE BY SYSTEM  
DMKCF0175E {FAVORED|RESERVE} ALREADY IN USE BY userid  
DMKCF0184E VM ASSIST NOT AVAILABLE  
DMKCF0186E CP ASSIST NOT AVAILABLE  
DMKCF003E INVALID OPTION - option  
DMKCF026E OPERAND MISSING OR INVALID

SET (continued)

| DMKCF5183E VM ASSIST NOT ACTIVE  
| DMKCF5184E VM ASSIST NOT AVAILABLE  
| DMKCF5187E TIMER ASSIST NOT AVAILABLE  
| DMKMCH003E INVALID OPTION - option  
| DMKMCH026E OPERAND MISSING OR INVALID

SHUTDOWN

None.

SLEEP

DMKCF002E INVALID OPERAND - operand

SPACE

DMKCS0006E INVALID DEVICE TYPE - addr  
DMKCS0021E RADDR MISSING OR INVALID  
DMKCS0040E DEV addr DOES NOT EXIST  
DMKCS0046E type raddr OFFLINE  
DMKCS0140E type raddr ATTACHED TO userid  
DMKCS0141E type raddr NOT ACTIVE

SPOOL

DMKCS0003E INVALID OPTION - option  
DMKCS0006E INVALID DEVICE TYPE - addr  
DMKCS0007E INVALID USERID - userid  
DMKCS0013E CONFLICTING OPERAND - operand  
DMKCS0020E USERID MISSING OR INVALID  
DMKCS0022E VADDR MISSING OR INVALID  
DMKCS0026E OPERAND MISSING OR INVALID  
DMKCS0028E CLASS MISSING OR INVALID  
DMKCS0030E COPIES MISSING OR INVALID  
DMKCS0040E DEV addr DOES NOT EXIST  
DMKCS0053E userid NOT IN CP DIRECTORY

START

DMKCS0003E INVALID OPTION - option  
DMKCS0006E INVALID DEVICE TYPE - addr  
DMKCS0013E CONFLICTING OPERAND - operand  
DMKCS0021E RADDR MISSING OR INVALID  
DMKCS0028E CLASS MISSING OR INVALID  
DMKCS0040E DEV addr DOES NOT EXIST  
DMKCS0046E type raddr OFFLINE  
DMKCS0140E type raddr ATTACHED TO userid

STCP

DMKCD5004E INVALID HEXLOC - hexloc  
DMKCD5005E INVALID HEXDATA - hexdata  
DMKCD5026E OPERAND MISSING OR INVALID  
DMKCD5033E HEXLOC MISSING OR INVALID  
DMKCD5160E HEXLOC hexloc EXCEEDS STORAGE  
DMKCD5162E INVALID ECR x - hexdata  
DMKVMA161E SHARED PAGE hexloc ALTERED BY userid

STORE

DMKCD5004E INVALID HEXLOC - hexloc  
DMKCD5005E INVALID HEXDATA - hexdata  
DMKCD5010E INVALID REGISTER - register  
DMKCD5012E INVALID PSW - psw  
DMKCD5026E OPERAND MISSING OR INVALID  
DMKCD5033E HEXLOC MISSING OR INVALID  
DMKCD5160E HEXLOC hexloc EXCEEDS STORAGE  
DMKCD5162E INVALID ECR x - hexdata  
DMKCD5163E STORE EXCEEDS MAXIMUM REGISTER  
DMKCD5164E HEXLOC hexloc NON-ADDRESSABLE STORAGE  
DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

SYSTEM

DMKCPB012E INVALID PSW - psw  
DMKCPB026E OPERAND MISSING OR INVALID

TAG

DMKCT0003E INVALID OPTION - option  
DMKCT0006E INVALID DEVICE TYPE - addr  
DMKCT0022E VADDR MISSING OR INVALID

TAG (continued)

DMKCST026E OPERAND MISSING OR INVALID  
DMKCST027E SPOOLID MISSING OR INVALID  
DMKCST040E DEV addr DOES NOT EXIST  
DMKCST042E SPOOLID nnnn DOES NOT EXIST  
DMKCST424E RDR FILE SPOOL ERROR; FILE UNCHANGED

TERMINAL

DMKCFT002E INVALID OPERAND - operand  
DMKCFT006E INVALID DEVICE TYPE - addr  
DMKCFT026E OPERAND MISSING OR INVALID

TRACE

DMKTRA002E INVALID OPERAND - operand  
DMKTRA003E INVALID OPTION - option  
DMKTRA013E CONFLICTING OPERAND - operand  
DMKTRA026E OPERAND MISSING OR INVALID  
DMKTRA180E TRACE NOT IN EFFECT  
DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

TRANSFER

DMKCSU003E INVALID OPTION - option  
DMKCSU007E INVALID USERID - userid  
DMKCSU008E INVALID SPOOLID - spoolid  
DMKCSU020E USERID MISSING OR INVALID  
DMKCSU026E OPERAND MISSING OR INVALID  
DMKCSU027E SPOOLID MISSING OR INVALID  
DMKCSU028E CLASS MISSING OR INVALID  
DMKCSU042E SPOOLID nnnn DOES NOT EXIST  
DMKCSU053E userid NOT IN CP DIRECTORY

UNLOCK

DMKCPV004E INVALID HEXLOC - hexloc  
DMKCPV009E INVALID RANGE - range  
DMKCPV020E USERID MISSING OR INVALID  
DMKCPV033E HEXLOC MISSING OR INVALID  
DMKCPV045E userid NOT LOGGED ON  
DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE  
DMKCPV176E VIRTUAL = REAL AREA IN USE BY {USERID|SYSTEM}  
DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE  
DMKCPV203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS  
DMKCPV204E INVALID PAGES(S) SPECIFIED, V=R AREA

VARY

DMKCPS003E INVALID OPTION - option  
DMKCPS021E RADDR MISSING OR INVALID  
DMKCPS026E OPERAND MISSING OR INVALID  
DMKCPS040E DEV addr DOES NOT EXIST  
DMKCPS049E type raddr IN USE  
DMKCPS123E DASD raddr CP OWNED  
DMKCPS124E DASD raddr IN USE BY nnn USERS  
DMKCPS140E type raddr ATTACHED TO userid  
DMKCPS142E type raddr NOT DRAINED  
DMKCPS143E type raddr IN USE BY SYSTEM

WNG

DMKMSG003E INVALID OPTION - option  
DMKMSG020E USERID MISSING OR INVALID  
DMKMSG045E userid NOT LOGGED ON  
DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|WNG OFF}

\*

None.

CP Spontaneous Messages

DMKRNH454I DEV rid DISABLED  
DMKRNH462I CTLR 'raddr' UNIT CHECK; IPL REQUIRED  
DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS  
DMKRNH464I CTLR 'raddr' CC=3; DEPRESS 370X "LOAD" BUTTON  
DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR

## CMS MESSAGE SUMMARY

### ACCESS

DMSACC002E FILE 'DMSROS TEXT' NOT FOUND  
DMSACC003E INVALID OPTION 'option'  
DMSACC017E INVALID DEVICE ADDRESS 'cuu'  
DMSACC048E INVALID MODE 'mode'  
DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK  
DMSACC060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode (cuu)' WILL NOT BE ACCESSED  
DMSACC070E INVALID PARAMETER 'parameter'  
DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSACC112S 'mode (cuu)' DEVICE ERROR  
DMSACC113S 'mode (cuu)' NOT ATTACHED  
DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'  
DMSACC230W OS DISK-FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED  
DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]  
DMSACC724I 'cuu' REPLACES 'mode (cuu)'  
DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK  
DMSACC726I 'cuu mode [/ext]' RELEASED

### AMSERV

DMSAMS001E NO FILENAME SPECIFIED  
DMSAMS002E FILE 'fname1 AMSERV' NOT FOUND  
DMSAMS003E INVALID OPTION 'option'  
DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'  
DMSAMS007E FILE 'fname1 AMSERV fm' NOT FIXED, 80-CHAR. RECORDS  
DMSAMS065E 'option' OPTION SPECIFIED TWICE  
DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
DMSAMS070E INVALID PARAMETER 'parameter'  
DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSAMS113S {TAPIN|TAPOUT} (addr) NOT ATTACHED  
DMSAMS136S UNABLE TO LOAD 'IDCAMS'  
DMSAMS228E NO DDNAME ENTERED  
DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:  
DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT  
DMSSTT062E INVALID CHARACTER 'char' IN FILEID {'fname1 AMSERV'|'fname2 LISTING'}

### ASM3705

DMSARN001E NO FILENAME SPECIFIED  
DMSARN002E FILE 'fn ft' NOT FOUND  
DMSARN003E INVALID OPTION 'option'  
DMSARN004W WARNING MESSAGES ISSUED  
DMSARN006E NO READ/WRITE DISK ACCESSED  
DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSARN008W ERROR MESSAGES ISSUED  
DMSARN012W SEVERE ERROR MESSAGES ISSUED  
DMSARN016W TERMINAL ERROR MESSAGES ISSUED  
DMSARX001E NO FILENAME SPECIFIED  
DMSARX002E FILE 'fn ASM3705' NOT FOUND  
DMSARX003E INVALID OPTION 'option'  
DMSARX006E NO READ/WRITE DISK ACCESSED  
DMSARX007E FILE 'fn ASM3705' IS NOT FIXED, 80-CHAR. RECORDS  
DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'  
DMSARX052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED  
DMSARX070E INVALID PARAMETER 'parameter'  
DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY  
DMSARX075E DEVICE 'device' INVALID FOR INPUT

### ASSEMBLE

DMSASM001E NO FILENAME SPECIFIED  
DMSASM002E FILE 'fn ASSEMBLE' NOT FOUND  
DMSASM003E INVALID OPTION 'option'  
DMSASM006E NO READ/WRITE DISK ACCESSED  
DMSASM007E FILE 'fn ASSEMBLE' IS NOT FIXED, 80-CHAR. RECORDS  
DMSASM038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'  
DMSASM052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED  
DMSASM070E INVALID PARAMETER 'parameter'  
DMSASM074E ERROR [RE]SETTING AUXILIARY DIRECTORY  
DMSASM075E DEVICE 'device' INVALID FOR INPUT

### ASSGN

DMSASN003E INVALID OPTION 'option'  
DMSASN027E INVALID DEVICE 'device'  
DMSASN028E NO LOGICAL UNIT SPECIFIED

## ASSGN (continued)

DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSASN035E INVALID TAPE MODE  
 DMSASN050E PARAMETER MISSING AFTER SYSxxx  
 DMSASN065E 'option' OPTION SPECIFIED TWICE  
 DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSASN069E DISK 'mode' NOT ACCESSED  
 DMSASN070E INVALID PARAMETER 'parameter'  
 DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'  
 DMSASN090E INVALID DEVICE CLASS 'device class' FOR 'device'  
 DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSASN113S '{TAPn|mode|READER|PUNCH|PRINTER} (cuu)' NOT ATTACHED  
 DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

## CMSBATCH

DMSBTB100E NO BATCH PROCESSOR AVAILABLE  
 DMSBTB101E BATCH NOT LOADED  
 DMSBTP105E NO JOB CARD PROVIDED  
 DMSBTP106E JOB CARD FORMAT INVALID  
 DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED  
 DMSBTP108E /SET CARD FORMAT INVALID  
 DMSBTP109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

## COMPARE

DMSCHP002E FILE 'fn [ft [fm]]' NOT FOUND  
 DMSCHP003E INVALID OPTION 'option'  
 DMSCHP005E NO 'option' COLUMN SPECIFIED  
 DMSCHP009E COLUMN 'col' EXCEEDS RECORD LENGTH  
 DMSCHP010E PREMATURE EOF ON FILE ['fn ft [fm]]  
 DMSCHP011E CONFLICTING FILE FORMATS  
 DMSCHP019E IDENTICAL FILEIDS  
 DMSCHP029E INVALID PARAMETER 'parameter' IN THE option 'COL' FIELD  
 DMSCHP054E INCOMPLETE FILEID ['fn [ft]'] SPECIFIED  
 DMSCHP062E INVALID \* IN FILEID  
 DMSCHP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSCHP179I COMPARING 'fn ft fm' WITH 'fn ft fm'  
 DMSCHP209W FILES DO NOT COMPARE

## COPY

DMSCPY002E [INPUT|OVERLAY] FILE[ (S) ] ['fn [ft [fm]]'] NOT FOUND  
 DMSCPY003E INVALID OPTION 'option'  
 DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS, SPECIFY 'REPLACE'  
 DMSCPY029E INVALID PARAMETER 'parameter' IN THE 'option' OPTION FIELD  
 DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE  
 DMSCPY037E DISK 'mode[ (cuu) ]' IS READ/ONLY  
 DMSCPY042E NO FILEID[ (S) ] SPECIFIED  
 DMSCPY048E INVALID MODE 'mode'  
 DMSCPY054E INCOMPLETE FILEID SPECIFIED  
 DMSCPY062E INVALID CHAR '[=\*|char]' IN FILEID '[fn ft fm]'  
 DMSCPY063E NO [{TRANSLATION|SPECIFICATION}] LIST ENTERED  
 DMSCPY064E INVALID [TRANSLATION] SPECIFICATION AT OR NEAR '.....'  
 DMSCPY065E 'option' OPTION SPECIFIED TWICE  
 DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS  
 DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT  
 DMSCPY101S SPECS TEMP STRING STORAGE EXHAUSTED AT '.....'  
 DMSCPY102S TOO MANY FILEIDS  
 DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20  
 DMSCPY156E 'FROM nnn' NOT FOUND --FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS  
 DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'  
 DMSCPY172E TOLABEL 'label' {EQUALS| IS AN INITIAL SUBSTRING OF} FRLABEL 'label'  
 DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'  
 DMSCPY601R ENTER SPECIFICATION LIST:  
 DMSCPY602R ENTER TRANSLATION LIST:  
 DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY}] 'fn ft fm' {OLD|NEW} FILE]  
 DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'  
 DMSCPY903T IMPOSSIBLE PHASE CODE 'hh'  
 DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

## | CPBREP

| DMSIFC002E FILE 'fn ft [fm]' NOT FOUND  
 | DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
 | DMSIFC023E NO FILETYPE SPECIFIED  
 | DMSIFC066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 | DMSIFC070E INVALID PARAMETER 'parameter'

```

| CPEREP (continued)
|   DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
|   DMSIFC113S TAP2(182) NOT ATTACHED
|   DMSIFC825E INVALID OPERAND 'operand'
|   DMSIFC826E EREP TXTLIBS NOT FOUND
|   DMSIFC827I CPEREP PRINTING COMPLETE
|   DMSIFC828I CPEREP CLEAR HAS BEEN COMPLETED
|   DMSIFC829W CPEREP CLEAR HAS BEEN IGNORED
|   DMSIFC831E MORE THAN 1000 CHARS. OF OPTIONS SPECIFIED
|   DMSREA830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS
|   IFC010I ddname FAILED TO OPEN
|   IFC013I ddname INPUT ERROR
|   IFC015I ddname OUTPUT ERROR
|   IFC017I INPUT ERRORS HAVE EXCEEDED MAX
|   IFC018I ddname END OF DATA BEFORE PROGRAM END
|   IFC019I PARAMETER FIELD SYNTAX ERROR
|   IFC01AI PARAMETERS CONFLICT
|   IFC01BI DUPLICATE KEYWORD FOUND

```

#### DEBUG

```
DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]
```

#### DISK

```

DMSDSK002E FILE[ (S) ] ['fn [ft [fm]]'] NOT FOUND
DMSDSK014E INVALID FUNCTION 'function'
DMSDSK037E DISK 'mode[ (cuu) ]' IS READ/ONLY
DMSDSK047E NO FUNCTION SPECIFIED
DMSDSK048E INVALID MODE 'mode'
DMSDSK054E INCOMPLETE FILEID SPECIFIED
DMSDSK062E INVALID * IN FILEID ['fn ft fm']
DMSDSK070E INVALID PARAMETER 'parameter'
DMSDSK077E END CARD MISSING FROM INPUT DECK
DMSDSK078E INVALID CARD IN INPUT DECK
DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSDSK118S ERROR PUNCHING FILE
DMSDSK124S ERROR READING CARD FILE
DMSDSK205W READER EMPTY OR NOT READY

```

#### DLBL

```

DMSDLB001E NO FILENAME SPECIFIED
DMSDLB003E INVALID OPTION 'option'
DMSDLB005E NO '{CAT|BUFSP}' SPECIFIED
DMSDLB023E NO FILETYPE SPECIFIED
DMSDLB048E INVALID MODE 'mode'
DMSDLB050E PARAMETER MISSING AFTER DDNAME
DMSDLB065E 'option' OPTION SPECIFIED TWICE
DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSDLB070E INVALID PARAMETER 'parameter'
DMSDLB086E INVALID DDNAME 'ddname'
DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSDLB220R ENTER DATA SET NAME:
DMSDLB221E INVALID DATA SET NAME
DMSDLB301E 'SYSxxx' NOT ASSIGNED FOR DISK 'fm'
DMSDLB302E NO SYSXXX OPERAND SPECIFIED
DMSDLB304E INVALID OPERAND VALUE 'value'
DMSDLB305E INCOMPLETE EXTENT RANGE
DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'
DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND
DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET
DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED
DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED
DMSDLB322I DDNAME 'ddname' NOT FOUND: NO CLEAR EXECUTED
DMSDLB323I {MASTER|JOB} CATALOG DLBL CLEARED
DMSDLB330R ENTER VOLUME SPECIFICATIONS:
DMSDLB331R ENTER EXTENT SPECIFICATIONS:

```

#### DOSLIB

```

DMSDSL002E FILE 'fn DOSLIB' NOT FOUND
DMSDSL003E INVALID OPTION 'option'
DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'
DMSDSL014E INVALID FUNCTION 'function'
DMSDSL037E DISK 'mode' IS READ/ONLY
DMSDSL046E NO LIBRARY NAME SPECIFIED

```

## DOSLIB (continued)

DMSDSL047E NO FUNCTION SPECIFIED  
 DMSDSL069E DISK 'mode' NOT ACCESSED  
 DMSDSL070E INVALID PARAMETER 'parameter'  
 DMSDSL098E NO PHASE NAME SPECIFIED  
 DMSDSL104S ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK  
 DMSDSL105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSDSL213W LIBRARY 'fn DOSLIB fm' NOT CREATED

## DOSLKED

DMSDLK001E NO FILENAME SPECIFIED  
 DMSDLK003E INVALID OPTION 'option'  
 DMSDLK006E NO READ/WRITE DISK ACCESSED  
 DMSDLK007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSDLK070E INVALID PARAMETER 'parameter'  
 DMSDLK099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSDLK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSDLK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSDLK210E LIBRARY 'fn ft' IS ON A READ-ONLY DISK  
 DMSDLK245S ERROR 'nnn' ON PRINTER

## DSERV

DMSDSV003E INVALID OPTION 'option'  
 DMSDSV021W NO TRANSIENT DIRECTORY  
 DMSDSV022W NO CORE IMAGE DIRECTORY  
 DMSDSV023W NO RELOCATABLE DIRECTORY  
 DMSDSV024W NO PROCEDURE DIRECTORY  
 DMSDSV025W NO SOURCE STATEMENT DIRECTORY  
 DMSDSV026W 'phase' NOT IN LIBRARY  
 DMSDSV027E INVALID DEVICE 'nn'  
 DMSDSV027W NO PRIVATE CORE IMAGE LIBRARY  
 DMSDSV028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES  
 DMSDSV047E NO FUNCTION SPECIFIED  
 DMSDSV065E 'option' OPTION SPECIFIED TWICE  
 DMSDSV066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSDSV070E INVALID PARAMETER 'parameter'  
 DMSDSV095E INVALID ADDRESS 'address'  
 DMSDSV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSDSV105S ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK  
 DMSDSV245S ERROR 'nnn' ON PRINTER

## EDIT

DMSEDI003E INVALID OPTION 'option'  
 DMSEDI024E FILE 'fn ft fm' ALREADY EXISTS  
 DMSEDI029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSEDI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
 DMSEDI054E INCOMPLETE FILEID ['fn [ft]'] SPECIFIED  
 DMSEDI076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED  
 DMSEDI104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSEDI105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSEDI117S ERROR WRITING TO DISPLAY TERMINAL  
 DMSEDI132S FILE 'fn ft fm' TOO LARGE  
 DMSEDI143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE  
 DMSEDI144S REQUESTED FILE IS IN ACTIVE STATUS

## ERASE

DMSERS002E FILE(S) ['fn [ft [fm]]'] NOT FOUND  
 DMSERS003E INVALID OPTION 'option'  
 DMSERS037E DISK 'mode (cuu)' IS READ/ONLY  
 DMSERS048E INVALID MODE 'mode'  
 DMSERS054E INCOMPLETE FILEID ['fn [ft]'] SPECIFIED  
 DMSERS069E DISK 'mode' NOT ACCESSED  
 DMSERS070E INVALID PARAMETER 'parameter'  
 DMSERS071E ERASE \* \* [fm|\*] NOT ALLOWED  
 DMSERS109T VIRTUAL STORAGE CAPACITY EXCEEDED

## ESERV

DMSERV001E NO FILENAME SPECIFIED  
 DMSERV002E FILE 'fn ESERV' NOT FOUND  
 DMSERV006E NO READ/WRITE DISK ACCESSED  
 DMSERV027E INVALID DEVICE 'device' FOR SYSxxx  
 DMSERV037E DISK 'mode' IS READ/ONLY  
 DMSERV070E INVALID ARGUMENT 'argument'  
 DMSERV099E CMS/DOS ENVIRONMENT NOT ACTIVE

**EXEC**

DMSEXC001E NO FILENAME SPECIFIED  
 DMSEXT072E ERROR IN EXEC FILE fn, LINE nnn - message

**FETCH**

DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSFCH113S DISK (cuu) NOT ATTACHED  
 DMSFCH115E PHASE LOAD POINT LESS THAN 'address'  
 DMSFCH411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSCLB}  
 DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST  
 DMSFET003E INVALID OPTION 'option'  
 DMSFET004E PHASE 'phase' NOT FOUND  
 DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD  
 DMSFET070E INVALID PARAMETER 'parameter'  
 DMSFET098E NO PHASE NAME SPECIFIED  
 DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION xxxxxx  
 DMSLIO055E NO ENTRY POINT DEFINED  
 DMSLIO740I EXECUTION BEGINS...

**FILEDEF**

DMSFLD003E INVALID OPTION 'option'  
 DMSFLD023E NO FILETYPE SPECIFIED  
 DMSFLD027E INVALID DEVICE 'device name'  
 DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSFLD035E INVALID TAPE MODE  
 DMSFLD050E PARAMETER MISSING AFTER DDNAME  
 DMSFLD065E 'option' OPTION SPECIFIED TWICE  
 DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSFLD069I DISK 'mode' NOT ACCESSED  
 DMSFLD070E INVALID PARAMETER 'parameter'  
 DMSFLD220R ENTER DATA SET NAME:  
 DMSFLD221E INVALID DATA SET NAME 'data set name'  
 DMSFLD224E FILEID ALREADY IN USE  
 DMSFLD704I INVALID CLEAR REQUEST  
 DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'

**FORMAT**

DMSFOR003E INVALID OPTION 'option'  
 DMSFOR017E INVALID DEVICE ADDRESS 'cuu'  
 DMSFOR028E NO DEVICE SPECIFIED  
 DMSFOR037E DISK 'mode[ (cuu) ]' IS READ/ONLY  
 DMSFOR048E INVALID MODE 'mode'  
 DMSFOR069E DISK {'mode'|'cuu'} NOT ACCESSED  
 DMSFOR070E INVALID PARAMETER 'parameter'  
 DMSFOR113S {TAPn(cuu)|mode(cuu)|READER|PUNCH|PRINTER} NOT ATTACHED  
 DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE  
 DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'  
 DMSFOR126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'  
 DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE.  
 DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'.  
 DO YOU WISH TO CONTINUE? (YES|NO):  
 DMSFOR605R ENTER DISK LABEL:  
 DMSFOR705I DISK REMAINS UNCHANGED  
 DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'  
 DMSFOR733I FORMATTING DISK 'mode'

**GENDIRT**

DMSGND002W FILE[ (S) ] [ 'fn [ft [fm]]' ] NOT FOUND  
 DMSGND021E ENTRY POINT 'name' NOT FOUND  
 DMSGND022E NO DIRECTORY NAME SPECIFIED  
 DMSGND070E INVALID PARAMETER 'parameter'

**GENMOD**

DMSMOD003E INVALID OPTION 'option'  
 DMSMOD005E NO '{FROM|TO} ENTRY' SPECIFIED  
 DMSMOD021E ENTRY POINT 'name' NOT FOUND  
 DMSMOD032E INVALID FILETYPE 'ft'  
 DMSMOD037E DISK 'mode' IS READ/ONLY  
 DMSMOD040E NO FILES LOADED  
 DMSMOD070E INVALID PARAMETER 'parameter'  
 DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS  
 DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK



GENMOD (continued)

DMSSTT048E INVALID MODE 'mode'  
 DMSSTT069E DISK 'mode' NOT ACCESSED

GEN3705

DMSGRN002E FILE 'fn ft [fm]' NOT FOUND  
 DMSGRN003E INVALID OPTION 'option'  
 DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSGRN048E INVALID MODE 'mode'  
 DMSGRN054E INCOMPLETE FILEID SPECIFIED  
 DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'

GLOBAL

DMSGLEB002W FILE 'fn ft' NOT FOUND  
 DMSGLEB014E INVALID FUNCTION 'function'  
 DMSGLEB047E NO FUNCTION SPECIFIED  
 DMSGLEB108S MORE THAN 8 LIBRARIES SPECIFIED

INCLUDE

DMSLGT002I FILE 'fn TXTLIB' NOT FOUND  
 DMSLIO001E NO FILENAME SPECIFIED  
 DMSLIO002E FILE ['fn [ft [fm]]'] NOT FOUND  
 DMSLIO003E INVALID OPTION 'option'  
 DMSLIO005E NO 'option' SPECIFIED  
 DMSLIO021E ENTRY POINT 'name' NOT FOUND  
 DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSLIO055E NO ENTRY POINT DEFINED  
 DMSLIO056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
 DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE  
 DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSLIO116S LOADER TABLE OVERFLOW  
 DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW  
 DMSLIO169S ESDID TABLE OVERFLOW  
 DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:  
 DMSLIO202W DUPLICATE IDENTIFIER 'identifier'  
 DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED  
 DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR  
 DMSLIO740I EXECUTION BEGINS ...  
 DMSLIO907T I/O ERROR ON FILE 'fn ft fm'

LISTDS

DMSLDS002E DATA SET NOT FOUND  
 DMSLDS003E INVALID OPTION 'option'  
 DMSLDS048E INVALID MODE 'mode'  
 DMSLDS069E DISK 'mode' NOT ACCESSED  
 DMSLDS220R ENTER DATA SET NAME:  
 DMSLDS221E INVALID DATA SET NAME  
 DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK  
 DMSLDS223E NO FILEMODE SPECIFIED  
 DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION  
 DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON {'fm'|OS|DOS} DISK  
 DMSLDS229I NO MEMBERS FOUND  
 DMSLDS231E I/O ERROR READING VTOC FROM 'fm' DISK  
 DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

LISTFILE

DMSLST002E FILE NOT FOUND  
 DMSLST003E INVALID OPTION 'option'  
 DMSLST037E DISK 'mode[ (cuu) ]' IS READ/ONLY  
 DMSLST048E INVALID MODE 'mode'  
 DMSLST066E 'option' and 'option' ARE CONFLICTING OPTIONS  
 DMSLST069E DISK {'mode'|'cuu'} NOT ACCESSED  
 DMSLST070E INVALID PARAMETER 'parameter'  
 DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK

LISTIO

DMSLLU003E INVALID OPTION 'option'  
 DMSLLU006E NO READ/WRITE 'A' DISK ACCESSED  
 DMSLLU070E INVALID PARAMETER 'parameter'  
 DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSLLU105S ERROR 'nn' WRITING FILE '\$LISTIO EXEC A1' ON DISK  
 DMSLLU303E NO SYSXXX SATISFIES REQUEST

**LKED**

DMSLKD001E NO FILENAME SPECIFIED  
DMSLKD002E FILE 'fn ft' NOT FOUND  
DMSLKD004W WARNING MESSAGES ISSUED  
DMSLKD005E NO 'keyword' SPECIFIED  
DMSLKD006E NO READ/WRITE DISK ACCESSED  
DMSLKD007E FILE 'fn ft' IS NOT FIXED, 80-CHAR. RECORDS  
DMSLKD008W ERROR MESSAGES ISSUED  
DMSLKD012W SEVERE ERROR MESSAGES ISSUED  
DMSLKD016W TERMINAL ERROR MESSAGES ISSUED  
DMSLKD070E INVALID PARAMETER 'parameter'

**LOAD**

DMSLGT002I FILE 'fn' TXTLIB NOT FOUND  
DMSLIO001E NO FILENAME SPECIFIED  
DMSLIO002E FILE(S) ['fn [ft [fm]]'] NOT FOUND  
DMSLIO003E INVALID OPTION 'option'  
DMSLIO005E NO 'option' SPECIFIED  
DMSLIO021E ENTRY POINT 'name' NOT FOUND  
DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
DMSLIO055E NO ENTRY POINT DEFINED  
DMSLIO056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE  
DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSLIO116S LOADER TABLE OVERFLOW  
DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW  
DMSLIO169S ESDID TABLE OVERFLOW  
DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:  
DMSLIO202W DUPLICATE IDENTIFIER 'IDENTIFIER'  
DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED  
DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR  
DMSLIO740I EXECUTION BEGINS ...  
DMSLIO907T I/O ERROR ON FILE 'fn ft fm'  
DMSST062E INVALID \* IN FILEID

**LOADMOD**

DMSMOD001E NO FILENAME SPECIFIED  
DMSMOD002E FILE ['fn [ft]'] NOT FOUND  
DMSMOD032E INVALID FILETYPE 'ft'  
DMSMOD070E INVALID PARAMETER 'parameter'  
DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSMOD114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE  
DMSMOD116S LOADER TABLE OVERFLOW  
DMSST048E INVALID MODE 'mode'

**MACLIB**

DMSLBM001E NO FILENAME SPECIFIED  
DMSLBM002E FILE ['fn [ft]'] NOT FOUND  
DMSLBM002W FILE 'fn ft [fm]' NOT FOUND  
DMSLBM003E INVALID OPTION 'option'  
DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSLBM014E INVALID FUNCTION 'function'  
DMSLBM037E DISK 'mode[ (cuu) ]' IS READ/ONLY  
DMSLBM046E NO LIBRARY NAME SPECIFIED  
DMSLBM047E NO FUNCTION SPECIFIED  
DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSLBM070E INVALID PARAMETER 'parameter'  
DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSLBM157S MACLIB LIMIT EXCEEDED[, LAST MEMBER NAME ADDED WAS 'membername']  
DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED  
DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED  
DMSLBM907T I/O ERROR ON FILE 'fn ft fm'

**MODMAP**

DMSMDP001E NO FILENAME SPECIFIED  
DMSMDP002E FILE ['fn [ft [fm]]'] NOT FOUND  
DMSMDP018E NO LOAD MAP AVAILABLE  
DMSMDP070E INVALID PARAMETER 'parameter'

## MOVEFILE

DMSMVE002E FILE(S) ['fn [ft [fm]]'] NOT FOUND  
 DMSMVE003E INVALID OPTION 'option'  
 DMSMVE037E OUTPUT DISK 'mode[ccu]' IS READ/ONLY  
 DMSMVE041E INPUT AND OUTPUT FILES ARE THE SAME  
 DMSMVE070E INVALID PARAMETER 'parameter'  
 DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}  
 DMSMVE086E INVALID DDNAME 'ddname'  
 DMSMVE127S UNSUPPORTED DEVICE FOR 'ddname'  
 DMSMVE128S I/O ERROR ON INPUT AFTER READING 'nnnn' RECORDS: INPUT ERROR CODE code ON ddname  
 DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER 'nnnn': OUTPUT ERROR CODE code ON ddname  
 DMSMVE130S BLOCKSIZE ON V FORMAT FILE 'ddname' IS LESS THAN 8  
 DMSMVE225I PDS MEMBER 'membername' MOVED  
 DMSMVE226I END OF PDS MOVE  
 DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA  
 DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'

## OPTION

DMSOPT070E INVALID PARAMETER 'parameter'  
 DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE

## PRINT

DMSPR002E FILE 'fn ft fm' NOT FOUND  
 DMSPR003E INVALID OPTION 'option'  
 DMSPR008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
 DMSPR013E MEMBER 'name' NOT FOUND IN LIBRARY  
 DMSPR029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSPR033E FILE 'fn ft fm' IS NOT A LIBRARY  
 DMSPR039E NO ENTRIES IN LIBRARY 'fn ft fm'  
 DMSPR044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
 DMSPR048E INVALID MODE 'mode'  
 DMSPR054E INCOMPLETE FILEID SPECIFIED  
 DMSPR062E INVALID \* IN FILEID  
 DMSPR070E INVALID PARAMETER 'parameter'  
 DMSPR104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSPR123S ERROR PRINTING FILE 'fn ft fm'

## PSERV

DMSPRV003E INVALID OPTION 'option'  
 DMSPRV004E PROCEDURE 'procedure' NOT FOUND  
 DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED  
 DMSPRV037E DISK 'A' IS READ/ONLY  
 DMSPRV070E INVALID PARAMETER 'parameter'  
 DMSPRV097E NO 'SYSRES' VOLUME ACTIVE  
 DMSPRV098E NO PROCEDURE NAME SPECIFIED  
 DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK  
 DMSPRV113S DISK (cuu) NOT ATTACHED  
 DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'

## PUNCH

DMPUN002E FILE 'fn' NOT FOUND  
 DMPUN003E INVALID OPTION 'option'  
 DMPUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
 DMPUN013E MEMBER 'name' NOT FOUND IN LIBRARY  
 DMPUN033E FILE 'fn ft fm' IS NOT A LIBRARY  
 DMPUN039E NO ENTRIES IN LIBRARY 'fn ft fm'  
 DMPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
 DMPUN054E INCOMPLETE FILEID SPECIFIED  
 DMPUN062E INVALID \* IN FILEID  
 DMPUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMPUN118S ERROR PUNCHING FILE 'fn ft fm'

## QUERY

DMSQRY005E NO 'option' SPECIFIED  
 DMSQRY014E INVALID FUNCTION 'function'  
 DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION  
 DMSQRY047E NO FUNCTION SPECIFIED  
 DMSQRY070E INVALID PARAMETER 'parameter'  
 DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE

## READCARD

DMSRDC008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
 DMSRDC042E NO FILEID SPECIFIED

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READCARD (continued)
DMSRDC054E INCOMPLETE FILEID SPECIFIED
DMSRDC062E INVALID * IN FILEID
DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSRDC124S ERROR 'nn' READING CARD FILE
DMSRDC205W READER EMPTY OR NOT READY
DMSRDC701I NULL FILE
DMSRDC702I READ CONTROL CARD IS MISSING. FOLLOWING ASSUMED:
DMSRDC702I :READ {fn ft fm|READCARD CMSUT1 A1}
DMSRDC738I RECORD LENGTH IS 'nnn' BYTES

RELEASE
DMSARE017E INVALID DEVICE ADDRESS 'ccu'
DMSARE028E NO DEVICE SPECIFIED
DMSARE048E INVALID MODE 'mode'
DMSARE069E DISK {'mode'|'ccu'} NOT ACCESSED
DMSARE070E INVALID PARAMETER 'parameter'

RENAME
DMSRNM002E FILE[ (S) ]['fn [ft [fm]]'] NOT FOUND
DMSRNM003E INVALID OPTION 'option'
DMSRNM019E IDENTICAL FILEIDS
DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS [SPECIFY 'REPLACE']
DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE
DMSRNM037E DISK 'mode' IS READ/ONLY
DMSRNM051E INVALID MODE CHANGE
DMSRNM054E INCOMPLETE FILEID ['fn[ft]'] SPECIFIED
DMSRNM062E INVALID * IN OUTPUT FILEID

RSERV
DMSRRV003E INVALID OPTION 'option'
DMSRRV004E MODULE 'module' NOT FOUND
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSRRV070E INVALID PARAMETER 'parameter'
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE
DMSRRV098E NO MODULE NAME SPECIFIED
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSRRV113S DISK (ccu) NOT ATTACHED
DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'

RUN
DMSRUN001E NO FILENAME SPECIFIED
DMSRUN002E FILE ['fn [ft [fm]]'] NOT FOUND
DMSRUN048E INVALID MODE 'mode'
DMSRUN070E INVALID PARAMETER 'parameter'
DMSRUN999E NO [ft] PROCESSOR FOUND

SAVENCP
DMSNCP001E NO FILENAME SPECIFIED
DMSNCP002E FILE 'fn ft' NOT FOUND
DMSNCP003E INVALID OPTION 'option'
DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSNCP021E ENTRY POINT 'symbol' NOT FOUND
DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM
DMSNCP045E UNSUPPORTED CONTROL PROGRAM TYPE
DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370
DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED

SET
DMSLIO002I FILE 'fn' TXTLIB NOT FOUND
DMSSET014E INVALID FUNCTION 'function'
DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
DMSSET031E LOADER TABLES CANNOT BE MODIFIED
DMSSET047E NO FUNCTION SPECIFIED
DMSSET048E INVALID MODE 'mode'
DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}
DMSSET061E NO TRANSLATION CHARACTER SPECIFIED
DMSSET070E INVALID PARAMETER 'parameter'
DMSSET098W CMS OS SIMULATION NOT AVAILABLE
DMSSET099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE
DMSSET142S SAVED SYSTEM NAME 'name' INVALID

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SET (continued)

DMSSET333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE  
DMSSET400S SYSTEM 'sysname' DOES NOT EXIST  
DMSSET401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'

SETKEY

DMSSSK070E INVALID PARAMETER 'parameter'  
DMSSSK362E INVALID STORAGE PROTECT KEY 'key'  
DMSSSK363E INVALID STARTING ADDRESS 'startadr'  
DMSSSK364E V.M. STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr TO endadr  
DMSSSK365E SYSTEM NAME NOT SPECIFIED  
DMSSSK400S SYSTEM 'name' DOES NOT EXIST  
DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'

SORT

DMSSRT002E FILE ['fn [ft [fm]]'] NOT FOUND  
DMSSRT009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSSRT019E IDENTICAL FILEIDS  
DMSSRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH  
DMSSRT037E DISK 'mode' IS READ/ONLY  
DMSSRT053E INVALID SORT FIELD PAIR DEFINED  
DMSSRT054E INCOMPLETE FILEID SPECIFIED  
DMSSRT062E INVALID {=\*|CHAR.'char'} IN FILEID ['fn ft fm']  
DMSSRT063E NO LIST ENTERED  
DMSSRT070E INVALID PARAMETER 'parameter'  
DMSSRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSSRT212E MAXIMUM NUMBER OF RECORDS EXCEEDED  
DMSSRT604R ENTER SORT FIELDS:

SSERV

DMSSRV003E INVALID OPTION 'option'  
DMSSRV004E BOOK 'subl.book' NOT FOUND  
DMSSRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSSRV070E INVALID PARAMETER 'parameter'  
DMSSRV097E NO 'SYSRES' VOLUME ACTIVE  
DMSSRV098E NO BOOK NAME SPECIFIED  
DMSSRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSSRV113S DISK (cuu) NOT ATTACHED  
DMSSRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSSLB}'  
DMSSRV194S BOOK 'subl.book' CONTAINS BAD RECORDS

START

DMSLIO021E ENTRY POINT 'name' NOT FOUND  
DMSLIO055E NO ENTRY POINT DEFINED  
DMSLIO740I EXECUTION BEGINS ...

STATE/STATEW

DMSSTT002E 'fn ft fm' NOT FOUND  
DMSSTT048E INVALID MODE 'mode'  
DMSSTT054E INCOMPLETE FILEID SPECIFIED  
DMSSTT062E INVALID \* IN FILEID 'fn ft'  
DMSSTT069E DISK 'mode' NOT ACCESSED  
DMSSTT070E INVALID PARAMETER 'parameter'  
DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'  
DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'  
DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'

SVCTRACE

DMSOVR014E INVALID FUNCTION 'function'  
DMSOVR047E NO FUNCTION SPECIFIED  
DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR MODULE' ON DISK  
DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED

SYNONYM

DMSSYN002E FILE 'fn ft fm' NOT FOUND  
DMSSYN003E INVALID OPTION 'option'  
DMSSYN007E FILE 'fn ft fm' NOT FIXED, 80 CHAR. RECORDS  
DMSSYN032E INVALID FILETYPE 'ft'  
DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSSYN066E 'STD' and 'NOSTD' ARE CONFLICTING OPTIONS

## SYNONYM (continued)

DMSSYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSSYN711I NO SYSTEM SYNONYMS IN EFFECT  
 DMSSYN712I NO SYNONYMS (DMSINA NOT IN NUCLEUS)

## TAPE

DMSTPE002E FILE[ (S) ]['fn [ft [fm]]'] NOT FOUND  
 DMSTPE003E INVALID OPTION 'option'  
 DMSTPE010E PREMATURE EOF ON FILE ['fn ft [fm]]'  
 DMSTPE014E INVALID FUNCTION 'function'  
 DMSTPE017E INVALID DEVICE ADDRESS 'cuu'  
 DMSTPE023E NO FILETYPE SPECIFIED  
 DMSTPE027E INVALID DEVICE 'device name'  
 DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSTPE037E DISK 'mode' IS READ/ONLY  
 DMSTPE042E NO FILEID[ (S) ] SPECIFIED  
 DMSTPE043E 'TAPn (cuu)' IS FILE PROTECTED  
 DMSTPE047E NO FUNCTION SPECIFIED  
 DMSTPE048E INVALID MODE 'mode'  
 DMSTPE057E INVALID RECORD FORMAT  
 DMSTPE058E END-OF-FILE OR END-OF-TAPE  
 DMSTPE070E INVALID PARAMETER 'parameter'  
 DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSTPE110S ERROR READING 'TAPn (cuu)'  
 DMSTPE111S ERROR WRITING 'TAPn (cuu)'  
 DMSTPE113S TAPn(cuu) NOT ATTACHED  
 DMSTPE115S { CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL DENSITY}  
 FEATURE NOT SUPPORTED ON DEVICE 'cuu'  
 DMSTPE701I NULL FILE

## TAPEMAC

DMSTMA001E NO FILENAME SPECIFIED  
 DMSTMA003E INVALID OPTION 'option'  
 DMSTMA057E INVALID RECORD FORMAT  
 DMSTMA070E INVALID PARAMETER 'parameter'  
 DMSTMA105S ERROR 'nn' WRITING FILE 'fn ft' ON DISK  
 DMSTMA109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSTMA110S ERROR READING 'TAPn'  
 DMSTMA137S ERROR nn ON 'STATE' FOR fn ft  
 DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE  
 DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS

## TAPADS

DMSTPD003E INVALID OPTION 'option'  
 DMSTPD058E END-OF-FILE OR END-OF-TAPE  
 DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm'  
 DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSTPD110S ERROR READING 'TAPn'  
 DMSTPD703I FILE 'fn ft [fm]' COPIED  
 DMSTPD707I TEN FILES COPIED

## TXTLIB

DMSLBT001E NO FILENAME SPECIFIED  
 DMSLBT002E FILE[ (S) ]['fn [ft [fm]]'] NOT FOUND  
 DMSLBT002W FILE[ (S) ]['fn [ft [fm]]'] NOT FOUND  
 DMSLBT003E INVALID OPTION 'option'  
 DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
 DMSLBT014E INVALID FUNCTION 'function'  
 DMSLBT046E NO LIBRARY NAME SPECIFIED  
 DMSLBT047E NO FUNCTION SPECIFIED  
 DMSLBT056E FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS  
 DMSLBT056W FILE 'fn ft fm' CONTAINS [{NAME|ALIAS|ENTRY|ESD}] INVALID RECORD FORMATS  
 DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLBT106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft fm' NOT ADDED  
 DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED

## TYPE

DMSTYP002E FILE 'fn ft fm' NOT FOUND  
 DMSTYP003E INVALID OPTION 'option'

## TYPE (continued)

DMSTYP005E NO 'option' SPECIFIED  
 DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH  
 DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY  
 DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]  
 DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY  
 DMSTYP039E NO ENTRIES IN LIBRARY 'fn ft fm'  
 DMSTYP049E INVALID LINE NUMBER 'line number'  
 DMSTYP054E INCOMPLETE FILEID SPECIFIED  
 DMSTYP062E INVALID \* IN FILEID  
 DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

## UPDATE

DMSUPD001E NO FILENAME SPECIFIED  
 DMSUPD002E FILE 'fn ft fm' NOT FOUND  
 DMSUPD003E INVALID OPTION 'option'  
 DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm'  
 DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS  
 DMSUPD037E DISK 'A' IS READ/ONLY  
 DMSUPD048E INVALID MODE 'mode'  
 DMSUPD065E 'option' OPTION SPECIFIED TWICE  
 DMSUPD066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSUPD069E DISK 'A' NOT ACCESSED  
 DMSUPD070E INVALID PARAMETER 'parameter'  
 DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '.....' TO '.....'  
 DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '.....'  
 DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED]  
 DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'  
 DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'  
 DMSUPD180W MISSING PTF FILE 'fn ft fm'  
 DMSUPD181E NO UPDATE FILES WERE FOUND  
 DMSUPD182W SEQUENCE INCREMENT IS ZERO  
 DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD  
 DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE--IGNORED  
 DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '.....'  
 DMSUPD186W SEQUENCE NUMBER '.....' NOT FOUND  
 DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'  
 DMSUPD207W INVALID UPDATE FILE CONTROL CARD  
 DMSUPD210W INPUT FILE SEQUENCE ERROR '.....' TO '.....'  
 DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE  
 DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE  
 DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK

## VMFDUMP

DMKEDM850I UNABLE TO READ DUMP FROM READER  
 DMKEDM851I TEN DUMP FILES ALREADY EXIST  
 DMKEDM852I FATAL I/O ERROR WRITING DUMP  
 DMKEDM853I NO DUMP FILES EXIST  
 DMKEDM860I FATAL I/O ERROR READING DUMP  
 DMKEDM861I DUMP FILE filename NOT FOUND  
 DMKEDM863E INVALID PARAMETER - parameter  
 DMKEDM864I PAGE REFERENCED NOT AVAILABLE WHILE EDITING xxxxxxxx

## ZAP

DMSZAP001E NO FILENAME SPECIFIED  
 DMSZAP002E FILE 'fn ft' NOT FOUND  
 DMSZAP002W FILE 'fn ft' NOT FOUND  
 DMSZAP003E INVALID OPTION 'option'  
 DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSZAP014E INVALID FUNCTION 'function'  
 DMSZAP047E NO FUNCTION SPECIFIED  
 DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS  
 DMSZAP070E INVALID PARAMETER 'parameter'  
 DMSZAP104S ERROR 'nn' READING FILE 'fn ft' FROM DISK  
 DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET  
 DMSZAP191W PATCH OVERLAPS-SET NO GO SWITCH  
 DMSZAP192W ERROR-ODD NUMBER OF DIGITS-SET NO GO SWITCH  
 DMSZAP193W PRECEDING CONTROL RECORD FLUSHED  
 DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} -  
 SET NO GO SWITCH  
 DMSZAP195W BASE VALUE INVALID-SET NO GO SWITCH  
 DMSZAP200W VERIFY REJECT-SET NO GO SWITCH

ZAP (continued)

DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT  
DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK  
DMSZAP245S ERROR 'nnn' ON PRINTER  
DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn ft'-SET NO GO SWITCH  
DMSZAP247W MEMBER 'name' NOT FOUND--SET NO GO SWITCH  
DMSZAP248W INVALID VER/REP DISP--SET NO GO SWITCH  
DMSZAP750I ZAP PROCESSING COMPLETE  
DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

CMS INITIALIZATION ROUTINE

DMSINS098W CMS OS SIMULATION NOT AVAILABLE  
DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

CMS/DOS CLOSE ROUTINE

DMSCLS043E TAPn IS FILE PROTECTED  
DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'  
DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'  
DMSCLS113S 'TAPn (cuu)' NOT ATTACHED

CMS/DOS GENERATION PROCEDURE

MSGEN006E NO READ/WRITE A-DISK ACCESSED  
MSGEN095E INVALID ADDRESS 'address'  
MSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME  
MSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS  
MSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS  
MSGEN715I DOSGEN COMPLETE

CMS/DOS OPEN ROUTINE

DMSBOP037E DISK 'mode' IS READ/ONLY  
DMSBOP043E TAPn IS FILE PROTECTED  
DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'  
DMSBOP069E DISK 'mode' NOT ACCESSED  
DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM  
DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPn}  
DMSBOP113S {TAPn|mode (cuu)} NOT ATTACHED  
DMSBOP302E NO SYSxxx OPERAND SPECIFIED  
DMSBOP308E 'mode' DISK IN CMS FORMAT; INVALID FOR NON-CMS DATASET  
DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST  
DMSBOP401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

CMS/DOS OPEN LIBRARY ROUTINE

DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx  
DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

CMS/DOS SVC HANDLER ROUTINE

DMSDOS004E PHASE 'phase' NOT FOUND  
DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS  
DMSDOS092E STXIT SAVEAREA ADDRESS INVALID  
DMSDOS093E MVMCOM MACRO ATTEMPTING TO ALTER OTHER THAN POSITION 12-23 OF COMREG  
DMSDOS094E FROM ADDRESS ON MVMCOM MACRO INVALID  
DMSDOS095E INVALID ADDRESS 'address'  
DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE  
DMSDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller  
DMSDOS140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED  
DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST  
DMSDOS401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSDOS413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

CMSXGEN PROCEDURE

DMSCMS006E NO READ/WRITE A-DISK ACCESSED  
DMSCMS095E INVALID ADDRESS 'address'  
DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)  
DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS  
DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS  
DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR  
DMSCMS715I CMSXGEN COMPLETE

DUMP/JDUMP/PDUMP ROUTINE

DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED



EXCP ROUTINE

DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY  
 DMSXCP043E TAPE (cuu) IS FILE PROTECTED  
 DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSXCP113S 'device (cuu)' NOT ATTACHED  
 DMSXCP411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'  
 DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'

OS OPEN AND CLOSE ROUTINE

DMSOP036E OPEN ERROR 'code' ON 'ddname'  
 DMSOP109S VIRTUAL STORAGE CAPACITY EXCEEDED

SAVED SYSTEM ROUTINES

DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST  
 DMSVIB401S V.M. SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)  
 DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
 DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED

VSAMGEN EXEC PROCEDURE

DMSVGN069E DISK 'A' NOT ACCESSED  
 DMSVGN360E INVALID RESPONSE 'response'  
 DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'  
 DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':  
 DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK  
 DMSVGN361I CREATING CMS TEXT FILES...  
 DMSVGN361R ENTER EITHER 'DOS' OR 'OS':  
 DMSVGN362I LINK EDITING sysname  
 DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:  
 DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'  
 DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:  
 DMSVGN364I FETCHING sysname...  
 DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):  
 DMSVGN365I SYSTEM sysname SAVED  
 DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':  
 DMSVGN366I STARTING TO READ PTF DECKS FROM READER...  
 DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:  
 DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'  
 DMSVGN368I count NEW PTF DECKS WILL BE APPLIED  
 DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':  
 DMSVGN369E INVALID - RELEASE 31 OR LATER REQUIRED  
 DMSVGN369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:  
 DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:  
 DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION:  
 DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:  
 DMSVDP070E INVALID PARAMETER 'parameter'  
 DMSVDP105S ERROR 'nn' WRITING FILE 'fn CMSUT1 A1' ON DISK  
 DMSVDP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSVDP110S ERROR READING TAP1 (181)  
 DMSVDP113S TAP1 (181) NOT ATTACHED  
 DMSVDP367I 'modulename TEXT' WRITTEN ON DISK 'A'  
 DMSVDP368I count NEW PTF DECKS WILL BE APPLIED  
 DMSVDP383R APPLY 'fn' ? ...ENTER 'NO' OR EOB:

VSAM INTERFACE (OS USER)

DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSVIP230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

## RSCS MESSAGE SUMMARY

RSCS messages are issued in response to commands as well as generated spontaneously during system execution. Messages issued in response to commands are issued to the command originator and, in certain cases, to the RSCS local operator. Spontaneous messages are issued to the RSCS local operator whenever any error or informational conditions arise during system operation. Certain spontaneous messages are issued to virtual machine users when they apply to files originated or destined for the users.

The code (last character in the message identifier) for the type of severity can be any one of the following for RSCS messages:

R	response message
I	informational message
E	error message
S	severe error message
T	terminal error -- system shutdown

## RSCS Spontaneous Messages

```
DMTrex000I RSCS (VER v, LEV 1, mm/dd/yy) READY
DMTCMX001I FREE STORAGE = nn PAGES
DMTrex002I LINK linkid DEACTIVATED
DMTCMX003I LINK linkid EXECUTING: (command line text)
DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTSMLO70E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTrex080E PROGRAM CHECK -- LINK linkid DEACTIVATED
DMTrex090T PROGRAM CHECK IN SUPERVISOR -- RSCS SHUTDOWN
DMTrex091T INITIALIZATION FAILURE -- RSCS SHUTDOWN
DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid
DMTAXS102I FILE spoolid PENDING FOR LINK linkid

DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS
DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss
DMTAXS105I FILE spoolid PURGED
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING
DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTSMLO8E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSMLO41I LINE vaddr READY FOR CONNECTION TO LINK linkid

DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTSMLO42I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTSMLO43I LINK linkid LINE vaddr DISCONNECTED
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSMLO44I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSMLO45I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTSMLO46I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn

DMTNPT147I SENT: FILE spoolid ON LINK linkid
DMTSMLO47I SENT: FILE spoolid ON LINK linkid
DMTNPT148I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid
DMTSMLO48I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTSMLO49I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTNPT160I LINE vaddr DISABLED FOR linkid
DMTSMLO60I LINE vaddr DISABLED FOR linkid
DMTNPT170I FROM linkid: (MSG message text)
DMTSMLO70I FROM linkid: (MSG message text)

DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTSMLO90E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSMLO34E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSMLO35E LINK linkid IN RJE MODE -- PRINT FILE spoolid PURGED
DMTNPT936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
```

## General Command Responses

DMTCMX200I RSCS  
DMTCMX201E INVALID COMMAND command  
DMTCMX202E INVALID LINK linkid  
DMTCMX203E INVALID SPOOL FILE ID spoolid  
DMTCMX204E INVALID KEYWORD keyword  
DMTCMX205E CONFLICTING KEYWORD keyword  
DMTCMX206E INVALID OPTION keyword option  
DMTCMX207E CONFLICTING OPTION keyword option  
DMTCMX208E INVALID USER ID userid  
DMTCMX300I ACCEPTED BY TASK task  
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE  
DMTCMX302E LINK linkid IS NOT DEFINED  
DMTCMX303E LINK linkid IS NOT ACTIVE  
DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING

### BACKSPAC

DMTNPT510I FILE spoolid BACKSPACED  
DMTSML510I FILE spoolid BACKSPACED  
DMTNPT511E NO FILE ACTIVE ON LINK linkid  
DMTSML511E NO FILE ACTIVE ON LINK linkid

### CHANGE

DMTAXS520I FILE spoolid CHANGED  
DMTAXS521I FILE spoolid HELD FOR LINK linkid  
DMTAXS522I FILE spoolid RELEASED FOR LINK linkid  
DMTAXS523I LINK linkid QUEUE REORDERED  
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN  
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN  
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN

### CMD

DMTSML530I COMMAND FORWARDED ON LINK linkid

### DEFINE

DMTCMX540I NEW LINK linkid DEFINED  
DMTCMX541I LINK linkid REDEFINED  
DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED  
DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED  
DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED

### DELETE

DMTCMX550I LINK linkid NOW DELETED  
DMTCMX551E LINK linkid ACTIVE -- NOT DELETED  
DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED

### DISCONN

DMTCMX560I RSCS DISCONNECTING  
DMTCMX561E USERID userid NOT RECEIVING

### DRAIN

DMTNPT570I LINK linkid NOW SET TO DEACTIVATE  
DMTSML570I LINK linkid NOW SET TO DEACTIVATE  
DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE  
DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE

### FLUSH

DMTNPT580I FILE spoolid PROCESSING TERMINATED  
DMTSML580I FILE spoolid PROCESSING TERMINATED  
DMTNPT581E FILE spoolid NOT ACTIVE  
DMTSML581E FILE spoolid NOT ACTIVE

### FREE

DMTNPT590I LINK linkid RESUMING FILE TRANSFER  
DMTSML590I LINK linkid RESUMING FILE TRANSFER  
DMTNPT591E LINK linkid NOT IN HOLD STATUS  
DMTSML591E LINK linkid NOT IN HOLD STATUS

### FWDSpace

DMTNPT511E NO FILE ACTIVE ON LINK linkid  
DMTSML511E NO FILE ACTIVE ON LINK linkid  
DMTNPT600I FILE spoolid FORWARD SPACED  
DMTSML600I FILE spoolid FORWARD SPACED

HOLD  
DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION  
DMTSM610I LINK linkid TO SUSPEND FILE TRANSMISSION  
DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED  
DMTSM611I LINK linkid FILE TRANSMISSION SUSPENDED  
DMTNPT612E LINK linkid ALREADY IN HOLD STATUS  
DMTSM612E LINK linkid ALREADY IN HOLD STATUS

MSG  
No response.

ORDER  
DMTAXS523I LINK linkid QUEUE REORDERED  
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN  
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN  
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN

### Specific Command Responses

PURGE  
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN  
DMTAXS525E FILE spoolid IS FOR linkid -- NO ACTION TAKEN  
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN  
DMTAXS640I nn FILE(S) PURGED ON LINK linkid

QUERY linkid STAT  
DMTCMX651I LINK linkid INACTIVE  
DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD}  
{TRA|TRE|NOT} Q=m P=n

QUERY linkid DEF  
DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m

QUERY linkid QUEUE  
DMTCMX654I LINK linkid Q=m P=n  
DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}

QUERY FILE spoolid STAT  
DMTCMX660I FILE spoolid INACTIVE ON LINK linkid  
DMTCMX661I FILE spoolid ACTIVE ON LINK linkid  
DMTCMX664E FILE spoolid NOT FOUND

QUERY FILE spoolid RSCS  
DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss  
TO locid2 userid2  
DMTCMX664E FILE spoolid NOT FOUND

QUERY FILE spoolid VM  
DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode,  
NA {fn ft|dsname}  
DMTCMX664E FILE spoolid NOT FOUND

QUERY SYSTEM  
DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}  
DMTCMX671I LINK linkid INACTIVE  
DMTCMX672I NO LINK ACTIVE  
DMTCMX673I NO LINK DEFINED

START  
DMTCMX700I ACTIVATING LINK linkid task type vaddr c  
DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED  
DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2  
NOT ACTIVATED  
DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED  
DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED  
DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT  
ACTIVATED  
DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED  
DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED  
DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED  
DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED  
DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED  
DMTNPT750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN  
DMTSM750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN

START (continued)

DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED  
DMTNPT752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET  
DMTSML752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET  
DMTSML901E INVALID SML MODE SPECIFIED -- LINK linkid NOT ACTIVATED  
DMTSML906E INVALID SML BUFFER PARAMETER -- LINK linkid NOT ACTIVATED

TRACE

DMTNPT801I LINK linkid ERROR TRACE STARTED  
DMTSML801I LINK linkid ERROR TRACE STARTED  
DMTNPT802I LINK linkid TRACE STARTED  
DMTSML802I LINK linkid TRACE STARTED  
DMTNPT803I LINK linkid TRACE ENDED  
DMTSML803I LINK linkid TRACE ENDED  
DMTNPT810E LINK linkid TRACE ALREADY ACTIVE  
DMTSML810E LINK linkid TRACE ALREADY ACTIVE  
DMTNPT811E LINK linkid TRACE NOT ACTIVE  
DMTSML811E LINK linkid TRACE NOT ACTIVE

Messages Generated during the Sign-on Procedure

SIGNON

DMTNPT902E NON-SIGNON CARD READ ON LINK linkid  
DMTSML902E NON-SIGNON CARD READ ON LINK linkid  
DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID  
DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID  
DMTNPT904E SIGNON PARAMETER=parameter INVALID  
DMTNPT905I SIGNON of LINKID linkid COMPLETE  
DMTSML905I SIGNON of LINKID linkid COMPLETE  
DMTNPT907E SIGNON TYPE PARAMETER MISSING

Messages Generated during System Generation and Initialization

DMTINI402T IPL DEVICE READ I/O ERROR  
DMTINI406R SYSTEM DISK ADDRESS = cuu  
DMTINI407R REWRITE THE NUCLEUS? (YES|NO)  
DMTINI409R NUCLEUS CYL ADDRESS = nnn  
DMTINI410R ALSO IPL CYLINDER 0? (YES|NO)  
DMTINI431S IPL DEVICE WRITE I/O ERROR  
DMTINI479E INVALID DEVICE ADDRESS -- REENTER  
DMTINI480E INVALID CYLINDER NUMBER -- REENTER  
DMTINI481E INVALID REPLY -- ANSWER "YES" OR "NO"  
DMTINI482E SYSTEM DISK ERROR -- REENTER  
DMTINI483E NUCLEUS WILL OVERLAY CMS FILES -- RECOMPUTE

APPENDIX B. MESSAGE SUMMARY ALPHAMERICALLY BY MESSAGE IDENTIFIER

Appendix B lists the messages issued by CP, CMS, RSCS, and the VM/370 service routines. The lists are organized alphanumerically, in order by module code, message number, and, lastly, type code.

CP MESSAGES

DMKACO425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR

DMKBLD200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}

DMKBLD201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES

DMKBLD202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

DMKBSC500I LINE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC501A LINE 'addr' INT REQ

DMKBSC502I LINE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC503I LINE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC504I LINE 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC505I LINE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC516I LINE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC517I LINE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC520I LINE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC527I LINE 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKBSC528I LINE 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKCCH601I CHANNEL CONTROL CHECK DEV xxx ; USER 'userid'

DMKCCH602I INTERFACE CONTROL CHECK DEV xxx; USER 'userid'

DMKCCH603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM

DMKCCH604I CHANNEL ERROR DEV XXI; USER userid MACHINE RESET

DMKCCH605I CHANNEL CHECK RECORDING FAILURE

DMKCCH606I CHANNEL ERROR; OPERATION TERMINATED

DMKCDB003E INVALID OPTION - option

DMKCDB004E INVALID HEXLOC - hexloc

DMKCDB009E INVALID RANGE - range

DMKCDB010E INVALID REGISTER - register

DMKCDB026E OPERAND MISSING OR INVALID

DMKCDB033E HEXLOC MISSING OR INVALID

DMKCDB060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE

DMKCDB061E DUMP FAILED; VIRTUAL PRINTER ERROR

DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

DMKCDS004E INVALID HEXLOC - operand

DMKCDS005E INVALID HEXDATA - hexdata

DMKCDS010E INVALID REGISTER - register

DMKCDS012E INVALID PSW ~ psw

DMKCDS026E OPERAND MISSING OR INVALID

DMKCDS033E HEXLOC MISSING OR INVALID

DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE

DMKCDS161E SHARED PAGE hexloc ALTERED by userid

DMKCDS162E INVALID ECR x - hexdata

DMKCDS162W INVALID ECR x - hexdata

DMKCDS163E STORE EXCEEDS MAXIMUM REGISTER

DMKCDS164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

DMKCFC001E ?CP: command

DMKCFC002E INVALID OPERAND - operand

DMKCFC004E INVALID HEXLOC - hexloc

DMKCFC026E OPERAND MISSING OR INVALID

DMKCFD004E INVALID HEXLOC - hexloc

DMKCFD021E RADDR MISSING OR INVALID

DMKCFD022E VADDR MISSING OR INVALID

DMKCFD026E OPERAND MISSING OR INVALID

DMKCFD040E DEV addr DOES NOT EXIST

DMKCFD160E HEXLOC hexloc EXCEEDS STORAGE

DMKCFD164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

DMKCFG002E INVALID OPERAND - operand  
 DMKCFG003E INVALID OPTION - option  
 DMKCFG013E CONFLICTING OPTION - option  
 DMKCFG022E VADDR MISSING OR INVALID  
 DMKCFG026E OPERAND MISSING OR INVALID  
 DMKCFG040E DEV addr DOES NOT EXIST  
 DMKCFG044E SYSTEM name DOES NOT EXIST  
 DMKCFG170E SYSTEM name EXCEEDS STORAGE  
 DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED  
 DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES  
 DMKCFG173E SYSTEM name REQUIRES DASD vaddr  
 DMKCFG174E PAGING I/O ERROR; IPL FAILED  
 DMKCFG177E PARM EXCEEDS 64 CHARACTERS  
 DMKCFG179E SYSTEM name VOLID volid NOT CP OWNED  
 DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS  
 DMKCFG300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE.  
 DMKCFG435E PAGING ERROR WRITING SAVED SYSTEM  
 DMKCFG436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

| DMKCF0003E INVALID OPTION - option  
 | DMKCF0006E INVALID DEVICE TYPE - addr  
 | DMKCF0013E CONFLICTING OPTION - option  
 | DMKCF0020E USERID MISSING OR INVALID  
 | DMKCF0021E RADDR MISSING OR INVALID  
 | DMKCF0026E OPERAND MISSING OR INVALID  
 | DMKCF0040E DEV addr DOES NOT EXIST  
 | DMKCF0041E LOGMSG nn DOES NOT EXIST  
 | DMKCF0045E userid NOT LOGGED ON  
 | DMKCF0046E type raddr OFFLINE  
 | DMKCF0140E type raddr ATTACHED TO userid  
 | DMKCF0143E type raddr IN USE BY SYSTEM  
 | DMKCF0175E {FAVORED|RESERVE} ALREADY IN USE BY userid  
 | DMKCF0184E VM ASSIST NOT AVAILABLE  
 | DMKCF0186E CP ASSIST NOT AVAILABLE

| DMKCF0003E INVALID OPTION - option  
 | DMKCF0026E OPERAND MISSING OR INVALID  
 | DMKCF0183E VM ASSIST NOT ACTIVE  
 | DMKCF0184E VM ASSIST NOT AVAILABLE  
 | DMKCF0187E TIMER ASSIST NOT AVAILABLE

DMKCF0002E INVALID OPERAND - operand  
 DMKCF0006E INVALID DEVICE TYPE - addr  
 DMKCF0026E OPERAND MISSING OR INVALID

DMKCKP900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK  
 DMKCKP901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP  
 DMKCKP902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL CYL|WARM CYL}  
 DMKCKP922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA  
 DMKCKP910W SYSTEM RECOVERY FAILURE; INVALID WARM START CYLINDER  
 DMKCKP911W SYSTEM RECOVERY FAILURE: WARM START AREA FULL  
 DMKCKP960I SYSTEM WARM START DATA SAVED  
 DMKCKP961W SYSTEM SHUTDOWN COMPLETE

DMKCKS400I SYSTEM CHECKPOINT AREA FULL  
 DMKCKS401I SYSTEM CHECKPOINT AREA 90 PERCENT FULL  
 DMKCKS903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR CYLINDER 'cylinder'  
 DMKCKS912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED  
 DMKCKS915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER  
 DMKCKS916E ERROR ALLOCATING SPOOL FILE BUFFERS  
 DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START  
 DMKCKS919E CHECKPOINT CYLINDER INVALID; CHECKPOINTING TERMINATED

DMKCN5454I LINE raddr DISABLED  
 DMKCN5455I LINE 'addr' CC=3 NOT OPERATIONAL  
 DMKCN5500I CONS 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5501I CONS 'addr' INT REQ  
 DMKCN5502I CONS 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5503I CONS 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5504I CONS 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5505I CONS 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5527I CONS 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKCN5528I CONS 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKCPB005E INVALID HEXDATA - hexdata  
 DMKCPB006E INVALID DEVICE TYPE - addr  
 DMKCPB012E INVALID PSW - psw  
 DMKCPB022E VADDR MISSING OR INVALID  
 DMKCPB026E OPERAND MISSING OR INVALID  
 DMKCPB040E DEV addr DOES NOT EXIST

| DMKCPI185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy  
 DMKCPI950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED  
 DMKCPI951I CP VOLID volid NOT MOUNTED  
 DMKCPI952I nnnnnK SYSTEM STORAGE  
 DMKCPI953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP  
 DMKCPI954E DASD raddr VOLID volid NOT MOUNTED; DUPLICATE OF DASD raddr  
 | DMKCPI955W INSUFFICIENT STORAGE FOR VM/370  
 | DMKCPI957I STOR sssssK, NUC nnnK, DYN ddddK, TRA tttK, FREE ffffK, V=R vvvvvK  
 DMKCPI960I SYSTEM WARM START DATA SAVED  
 DMKCPI961W SYSTEM SHUTDOWN COMPLETE

DMKCPS003E INVALID OPTION - option  
 DMKCPS021E RADDR MISSING OR INVALID  
 DMKCPS026E OPERAND MISSING OR INVALID  
 DMKCPS040E DEV addr DOES NOT EXIST  
 DMKCPS049E LINE (addr) IN USE  
 DMKCPS123E DASD raddr CP OWNED  
 DMKCPS124E DASD raddr IN USE BY nnn USERS  
 DMKCPS140E type raddr ATTACHED TO userid  
 DMKCPS142E type raddr NOT DRAINED  
 DMKCPS143E type raddr IN USE BY SYSTEM  
 DMKCPS144W type vaddr RESET BY userid

DMKCPV003E INVALID OPTION - option  
 DMKCPV004E INVALID HEXLOC - hexloc  
 DMKCPV006E INVALID DEVICE TYPE - addr  
 DMKCPV007E INVALID USERID - userid  
 DMKCPV009E INVALID RANGE - range  
 DMKCPV020E USERID MISSING OR INVALID  
 DMKCPV021E RADDR MISSING OR INVALID  
 DMKCPV026E OPERAND MISSING OR INVALID  
 DMKCPV033E HEXLOC MISSING OR INVALID  
 DMKCPV040E DEV addr DOES NOT EXIST  
 DMKCPV045E userid NOT LOGGED ON  
 DMKCPV046E type raddr OFFLINE  
 DMKCPV140E type raddr ATTACHED TO userid  
 DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE  
 DMKCPV176E VIRT=REAL AREA IN USE BY userid  
 DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE  
 | DMKCPV203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS  
 | DMKCPV204E INVALID PAGE(S) SPECIFIED, V=R AREA

DMKCQG020E USERID MISSING OR INVALID  
 DMKCQG022E VADDR MISSING OR INVALID  
 DMKCQG027E SPOOLID MISSING OR INVALID  
 DMKCQG028E CLASS MISSING OR INVALID  
 DMKCQG040E DEV addr DOES NOT EXIST  
 DMKCQG042E SPOOLID nnnn DOES NOT EXIST  
 DMKCQG045E userid NOT LOGGED ON

DMKCQP003E INVALID OPTION - option  
 DMKCQP006E INVALID DEVICE TYPE - addr  
 DMKCQP020E USERID MISSING OR INVALID  
 DMKCQP021E RADDR MISSING OR INVALID  
 DMKCQP022E VADDR MISSING OR INVALID  
 DMKCQP040E DEV addr DOES NOT EXIST  
 DMKCQP045E userid NOT LOGGED ON  
 DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE

DMKCQR003E INVALID OPTION - option  
 DMKCQR020E USERID MISSING OR INVALID  
 DMKCQR026E OPERAND MISSING OR INVALID  
 DMKCQR028E CLASS MISSING OR INVALID  
 DMKCQR045E userid NOT LOGGED ON

| DMKCSB003E INVALID OPTION - option  
 | DMKCSB006E INVALID DEVICE TYPE - addr  
 | DMKCSB013E CONFLICTING OPTION - option



| DMKCSB021E RADDR MISSING OR INVALID  
| DMKCSB022E VADDR MISSING OR INVALID  
| DMKCSB026E OPERAND MISSING OR INVALID  
| DMKCSB028E CLASS MISSING OR INVALID  
| DMKCSB031E BUFFER MISSING OR INVALID  
| DMKCSB036E INDEX MISSING OR INVALID  
| DMKCSB040E DEV addr DOES NOT EXIST  
| DMKCSB043E BUFFER name DOES NOT EXIST  
| DMKCSB046E type raddr OFFLINE  
| DMKCSB140E type raddr ATTACHED TO userid  
| DMKCSB142E type raddr NOT DRAINED  
| DMKCSB148E type raddr BUFFER LOAD name FAILED

DMKCSO003E INVALID OPTION - option  
DMKCSO006E INVALID DEVICE TYPE - addr  
DMKCSO013E CONFLICTING OPTION - option  
DMKCSO021E RADDR MISSING OR INVALID  
DMKCSO028E CLASS MISSING OR INVALID  
DMKCSO030E COPIES MISSING OR INVALID  
DMKCSO040E DEV addr DOES NOT EXIST  
DMKCSO046E type raddr OFFLINE  
DMKCSO140E type raddr ATTACHED TO userid  
DMKCSO141E type raddr NOT ACTIVE

DMKCSPO003E INVALID OPTION - option  
DMKCSPO006E INVALID DEVICE TYPE - addr  
DMKCSPO007E INVALID USERID - userid  
DMKCSPO13E CONFLICTING OPTION - option  
DMKCSPO20E USERID MISSING OR INVALID  
DMKCSPO22E VADDR MISSING OR INVALID  
DMKCSPO26E OPERAND MISSING OR INVALID  
DMKCSPO28E CLASS MISSING OR INVALID  
DMKCSPO29E FNAME FTYPE MISSING OR INVALID  
DMKCSPO30E COPIES MISSING OR INVALID  
DMKCSPO32E DIST CODE MISSING OR INVALID  
DMKCSPO40E DEV addr DOES NOT EXIST  
DMKCSPO53E userid NOT IN CP DIRECTORY

DMKCST003E INVALID OPTION - option  
DMKCST006E INVALID DEVICE TYPE - addr  
DMKCST022E VADDR MISSING OR INVALID  
DMKCST026E OPERAND MISSING OR INVALID  
DMKCST027E SPOOLID MISSING OR INVALID  
DMKCST040E DEV addr DOES NOT EXIST  
DMKCST042E SPOOLID nnnn DOES NOT EXIST  
DMKCST424E RDR FILE SPOOL ERROR; FILE UNCHANGED

DMKCSU003E INVALID OPTION - option  
DMKCSU006E INVALID DEVICE TYPE - addr  
DMKCSU007E INVALID USERID - userid  
DMKCSU008E INVALID SPOOLID -spoolid  
DMKCSU013E CONFLICTING OPTION - option  
DMKCSU020E USERID MISSING OR INVALID  
DMKCSU026E OPERAND MISSING OR INVALID  
DMKCSU027E SPOOLID MISSING OR INVALID  
DMKCSU028E CLASS MISSING OR INVALID  
DMKCSU029E FNAME FTYPE MISSING OR INVALID  
DMKCSU030E COPIES MISSING OR INVALID  
DMKCSU032E DIST CODE MISSING OR INVALID  
DMKCSU035E DEVICE TYPE MISSING OR INVALID  
DMKCSU042E SPOOLID nnnn DOES NOT EXIST  
DMKCSU053E userid NOT IN CP DIRECTORY

DMKDAS500I DASD 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
DMKDAS501A DASD 'addr' INT REQ CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
DMKDAS502I DASD 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS503I DASD 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
DMKDAS504D DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS504I DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS505D DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS505I DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS507D DASD 'addr' SEBK CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
DMKDAS508I DASD 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
DMKDAS509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'

DMKDAS513I DASD 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKDAS514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
 DMKDAS516I DASD 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKDAS517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'  
 DMKDAS518I DASD 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKDAS520I DASD 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'  
 DMKDAS956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

DMKDDR700E INPUT UNIT IS NOT A CPVOL  
 DMKDDR701E INVALID OPERAND - operand  
 DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR  
 DMKDDR703E OPERAND MISSING  
 DMKDDR704E DEV cuu NOT OPERATIONAL  
 DMKDDR705E IO ERROR cuu CSW csw SENSE sense INPUT bbcchh OUTPUT bbcchh CCW ccw  
 DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKDDR708E INVALID INPUT OR OUTPUT DEFINITION  
 DMKDDR709E WRONG INPUT TAPE MOUNTED  
 DMKDDR710A DEV cuu INTERVENTION REQUIRED  
 DMKDDR711R VOLID READ IS volid2 [NOT volid1] DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:  
 DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20  
 DMKDDR713E OVERLAPPING OR INVALID EXTENTS  
 DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE  
 DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK  
 DMKDDR716R NO VOL1 LABEL FOUND [FOR volser] DO YOU WISH TO CONTINUE? RESPOND YES OR NO OR REREAD:  
 DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2. DO YOU WISH TO CONTINUE? RESPOND YES  
 NO OR REREAD:  
 DMKDDR718E OUTPUT UNIT IS FILE PROTECTED  
 DMKDDR719E INVALID FILE NAME OR FILE NOT FOUND  
 DMKDDR720E ERROR IN routine  
 DMKDDR721E RECORD cchhr NOT FOUND  
 DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS  
 DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT  
 DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP  
 DMKDDR725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE. DO YOU WISH TO CONTINUE?  
 RESPOND YES OR NO:  
 DMKDDR756E PROGRAM CHECK PSW = psw

DMKDEF003E INVALID OPTION - option  
 DMKDEF022E VADDR MISSING OR INVALID  
 DMKDEF024E CYLS MISSING OR INVALID  
 DMKDEF025E STORAGE MISSING OR INVALID  
 DMKDEF026E OPERAND MISSING OR INVALID  
 DMKDEF040E DEV addr DOES NOT EXIST  
 DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE  
 DMKDEF092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED  
 DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM  
 DMKDEF136E TYPE vaddr NOT DEFINED; CHAN x DEDICATED

DMKDIA006E INVALID DEVICE TYPE - addr  
 DMKDIA011E INVALID DEVICE TYPE - userid vaddr  
 DMKDIA020E USERID MISSING OR INVALID  
 DMKDIA022E VADDR MISSING OR INVALID  
 DMKDIA040E DEV addr DOES NOT EXIST  
 DMKDIA045E userid NOT LOGGED ON  
 DMKDIA047E userid vaddr DOES NOT EXIST  
 DMKDIA055E LINE(S) NOT AVAILABLE ON userid  
 DMKDIA056E LINE vaddr BUSY ON userid  
 DMKDIA058E CTCA vaddr BUSY ON userid  
 DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE  
 DMKDIA707A DIAL FUNCTION NOT AVAILABLE

DMKDIR751E INVALID OPERAND - xxxxxx  
 DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user  
 DMKDIR753E OPERAND MISSING  
 DMKDIR754E DEV cuu NOT OPERATIONAL  
 DMKDIR755E IO ERROR cuu CSW csw SENSE sense  
 DMKDIR756E PROGRAM CHECK PSW = psw  
 DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKDIR758E DUPLICATE UNIT DEFINITION  
 DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY  
 DMKDIR761E VOLID READ IS volid1 NOT volid2  
 DMKDIR762E DIRECTORY STATEMENT MISSING  
 DMKDIR763E INVALID FILENAME OR FILE NOT FOUND  
 DMKDIR764E ERROR IN routine

DMKDMP905W SYSTEM DUMP FAILURE; PROGRAM CHECK  
DMKDMP906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP  
DMKDMP907W SYSTEM DUMP FAILURE; FATAL I/O ERROR  
DMKDMP908I SYSTEM FAILURE; CODE - code  
DMKDMP909W SYSTEM DUMP DEVICE NOT-READY

DMKDSP450W CP ENTERED; DISABLED WAIT PSW 'psw'  
DMKDSP451W CP ENTERED; INVALID PSW 'psw'  
DMKDSP452W CP ENTERED; EXTERNAL INTERRUPT LOOP

DMKEDM850I UNABLE TO READ DUMP FROM READER  
DMKEDM851I TEN DUMP FILES ALREADY EXIST  
DMKEDM852I FATAL I/O ERROR WRITING DUMP  
DMKEDM853I NO DUMP FILES EXIST  
DMKEDM860I FATAL I/O ERROR READING DUMP  
DMKEDM861E DUMP FILE filename NOT FOUND  
DMKEDM863E INVALID PARAMETER - parameter  
DMKEDM864I PAGE REFERENCED NOT AVAILABLE WHILE EDITING XXXXXXXX

DMKFMT730E DEV cuu NOT OPERATIONAL  
DMKFMT732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
DMKFMT733E VOLID READ IS valid1 NOT valid2  
DMKFMT734E TYPE OR CYL INVALID  
DMKFMT735E FATAL DASD IO ERROR  
DMKFMT736E IO ERROR cuu CCHHR = cchhr SENSE = sense  
DMKFMT737E INVALID OPERAND  
DMKFMT738A DEV cuu INTERVENTION REQUIRED  
DMKFMT756E PROGRAM CHECK PSW = psw

DMKGRF500I GRAF 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw'  
DMKGRF502I GRAF 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw'  
DMKGRF503I GRAF 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw'  
DMKGRF504I GRAF 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'  
DMKGRF521I GRAF 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw'  
DMKGRF525I GRAF 'addr' FORMAT CK CMD='cm' SNS='sense' CSW='csw'  
DMKGRF529I GRAF 'addr' PARITY CK CMD='cm' SNS='sense' CSW='csw'

DMKIOF550E {I/O|MCH} ERROR RECORDING AREA 90 PERCENT FULL; RUN CPREP  
DMKIOF551E {I/O|MCH} ERROR RECORDING AREA FULL; RUN CPREP

DMKIOG551E {I/O|MCH} ERROR RECORDING AREA FULL; RUN CPREP.  
DMKIOG552I FORMATTING {I/O|MCH} ERROR RECORDING AREA  
DMKIOG553I {I/O|MCH} ERROR RECORDING AREA CLEARED; USER 'userid'  
DMKIOG558I FATAL I/O ERROR; ERROR RECORDING DISABLED

DMKLNK020E USERID MISSING OR INVALID  
DMKLNK022E VADDR MISSING OR INVALID  
DMKLNK052E ERROR IN CP DIRECTORY  
DMKLNK053E userid NOT IN CP DIRECTORY  
DMKLNK101W DASD vaddr FORCED R/O; R/O BY {nnn USERS|userid}  
DMKLNK102W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}  
DMKLNK103W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}; R/O BY {nnn USERS|userid}  
DMKLNK104E userid vaddr NOT LINKED; R/O BY {nnn USERS|userid}  
DMKLNK105E userid vaddr NOT LINKED; R/W BY {nnn USERS|userid}  
DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY {nnn USERS|userid}  
DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY  
DMKLNK108E userid vaddr NOT LINKED; VOLID volid NOT MOUNTED  
DMKLNK109E userid vaddr NOT LINKED; INVALID LINK DEVICE  
DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED  
DMKLNK111E userid vaddr NOT LINKED; NO READ PASSWORD  
DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD  
DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD  
DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT  
DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS  
DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE  
DMKLNK117E USERID userid NOT LINKED; VOLID volid CONFLICT  
DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED

DMKLOG003E INVALID OPTION - option  
DMKLOG020E USERID MISSING OR INVALID  
DMKLOG050E PASSWORD INCORRECT  
DMKLOG051E MAXIMUM USERS EXCEEDED  
DMKLOG052E ERROR IN CP DIRECTORY  
DMKLOG053E userid NOT IN CP DIRECTORY  
DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr

DMKLOG059E AUTOLOG FAILED FOR userid- {IPL MISSING|IPL FAILED|ACCOUNTING ERROR}  
DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE  
DMKLOG091E DASE vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE  
DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED  
DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY  
DMKLOG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

DMKMCC002E INVALID OPERAND - operand  
DMKMCC003E INVALID OPTION - option  
DMKMCC006E INVALID DEVICE TYPE - addr  
DMKMCC021E RADDR MISSING OR INVALID  
DMKMCC026E OPERAND MISSING OR INVALID  
DMKMCC040E DEV addr DOES NOT EXIST  
DMKMCC046E type raddr OFFLINE  
DMKMCC140E type raddr ATTACHED TO userid  
DMKMCC143E type raddr IN USE BY SYSTEM  
DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE  
DMKMCC212E MONITOR TAPE IS NOT ACTIVE  
DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE  
DMKMCC214E MONITOR CPTRACE IS NOT ACTIVE  
DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY  
DMKMCC216E SYSPROP CLASS REQUIRES SCHEDULE AND DASTAP  
DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED  
DMKMCC218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O

DMKMCH003E INVALID OPTION - option  
DMKMCH026E OPERAND MISSING OR INVALID  
DMKMCH610I MACHINE CHECK SUPERVISOR DAMAGE  
DMKMCH611I MACHINE CHECK SYSTEM INTEGRITY LOST  
DMKMCH612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP  
DMKMCH613I SOFT MACHINE CHECK RECORDING DISABLED  
DMKMCH614I MACHINE CHECK; DAMAGED PAGE NOW DELETED  
DMKMCH615I MACHINE CHECK RECORDING FAILURE  
DMKMCH616I MACHINE CHECK; USER userid TERMINATED  
DMKMCH617I MACHINE CHECK; BUFFER OR DLAT DAMAGE  
DMKMCH618I {INSTRUCTION RETRY|MAIN STORAGE} NOW IN {RECORD|QUIET} MODE  
DMKMCH619I MACHINE CHECK; OPERATION TERMINATED

DMKMID310E DATE date INVALID; NOT CHANGED

DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM  
DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKMSG003E INVALID OPTION - option  
DMKMSG020E USERID MISSING OR INVALID  
DMKMSG045E userid NOT LOGGED ON  
DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|WNG OFF}

DMKNES002E INVALID OPERAND - operand  
DMKNES004E INVALID HEXLOC - hexloc  
DMKNES006E INVALID DEVICE TYPE - addr  
DMKNES009E INVALID RANGE - range  
DMKNES021E RADDR MISSING OR INVALID  
DMKNES026E OPERAND MISSING OR INVALID  
DMKNES040E DEV addr DOES NOT EXIST  
DMKNES046E {DEV rid|type raddr} OFFLINE  
DMKNES049E LINE addr IN USE  
DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE  
DMKNES140E CTRR raddr ATTACHED TO userid  
DMKNES160E HEXLOC hexloc EXCEEDS STORAGE  
DMKNES175E NETWORK TRACE ALREADY IN USE BY userid  
DMKNES706E LINE addr NOT ENABLED

DMKNET002E INVALID OPERAND - operand  
DMKNET003E INVALID OPTION - option  
DMKNET004E INVALID HEXLOC - hexloc  
DMKNET006E INVALID DEVICE TYPE - addr  
DMKNET009E INVALID RANGE - range  
DMKNET021E RADDR MISSING OR INVALID  
DMKNET026E OPERAND MISSING OR INVALID  
DMKNET033E HEXLOC MISSING OR INVALID  
DMKNET040E DEV addr DOES NOT EXIST  
DMKNET046E {DEV rid|type raddr} OFFLINE  
DMKNET049E LINE addr IN USE  
DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE

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DMKNET140E type raddr ATTACHED TO userid
DMKNET160E HEXLOC hexloc EXCEEDS STORAGE

DMKNLD002E INVALID OPERAND - operand
DMKNLD003E INVALID OPTION - option
DMKNLD006E INVALID DEVICE TYPE - addr
DMKNLD021E RADDR MISSING OR INVALID
DMKNLD026E OPERAND MISSING OR INVALID
DMKNLD040E DEV addr DOES NOT EXIST
DMKNLD044E SYSTEM name DOES NOT EXIST
DMKNLD046E type raddr OFFLINE
DMKNLD140E CTLR raddr ATTACHED TO userid
DMKNLD143E CTLR raddr IN USE BY SYSTEM
DMKNLD170E SYSTEM name EXCEEDS STORAGE
DMKNLD171E SYSTEM name VALID NOT MOUNTED
DMKNLD460E CTLR raddr {LOAD|DUMP} FAILED: PROGRAM CHECK
DMKNLD461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE:
DMKNLD469E CTLR raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE
DMKNLD470E CTLR raddr {LOAD|DUMP} FAILED: PAGING I/O ERROR
DMKNLD471E CTLR raddr {LOAD|DUMP} FAILED: UNRECOVERABLE I/O ERROR

DMKPAG415E CONTINUOUS PAGING ERRORS FROM DASD xxx

DMKPGT400I SYSTEM TEMP SPACE FULL
DMKPGT401I SYSTEM TEMP SPACE 90 PERCENT FULL

DMKPRG453W CP ENTERED; PROGRAM INTERRUPT LOOP

DMKPTR410W CP ENTERED; PAGING ERROR

DMKRG4454I LINE addr DISABLED
DMKRG4455I LINE addr CC=3 NOT OPERATIONAL
DMKRG4705I I/O ERROR RESID=resource id STATUS=status LINE=addr

DMKRND850I UNABLE TO READ DUMP FROM READER
DMKRND851I TEM DUMP FILES ALREADY EXIST
DMKRND852I FATAL I/O ERROR WRITING DUMP
DMKRND853I NO DUMP FILES EXIST
DMKRND860I FATAL I/O ERROR READING DUMP
DMKRND861E DUMP FILE filename NOT FOUND
DMKRND863E INVALID PARAMETER - parameter

DMKRNH454I DEV rid DISABLED
DMKRNH462I CTLR raddr UNIT CHECK; IPL REQUIRED
DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS
DMKRNH464I CTLR 'raddr' CC=3; DEPRESS 370X LOAD BUTTON
DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR

DMKRSE500I {RDR|PRT|PUN} 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE501A {RDR|PRT|PUN} 'addr' INT REQ
DMKRSE501I {RDR|PRT|PUN} 'addr' INT REQ CMD='cm' SNS='sense'
DMKRSE502I {RDR|PRT|PUN} 'addr' BUSOUT CK CMD='cm' SNS='sense'
DMKRSE503A {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE503I {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE504A {RDR|PRT} 'addr' DATA CK CMD='cm' SNS='sense'
DMKRSE504I {RDR|PRT|PUN} 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKRSE505A RDR 'addr' OVERRUN CK CMD='cm' SNS='sense'
DMKRSE508I {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE520A {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE520I {RDR|PRT|PUN} 'addr' CHAN ERROR CMD='cm' SNS='sense'
DMKRSE521I {RDR|PRT|PUN} 'addr' NO DEVICE CMD='cm' SNS='sense'
DMKRSE524I {RDR|PRT|PUN} 'addr' LOAD CHECK CMD='cm' SNS='sense'
DMKRSE525I {RDR|PRT|PUN} 'addr' FORMAT CK CMD='cm' SNS='sense'
DMKRSE529I {RDR|PRT|PUN} 'addr' PARITY CK CMD='cm' SNS='sense'

DMKRSP426E RDR raddr SPOOL SPACE FULL; FILE PURGED
DMKRSP428E PRT raddr SPOOL ERROR; FILE HELD
DMKRSP428E PUN raddr SPOOL ERROR; FILE HELD
DMKRSP428E RDR raddr SPOOL ERROR; FILE PURGED
DMKRSP430A TYPE raddr FATAL I/O ERROR; NOW OFFLINE, FILE HELD
DMKRSP431A RDR raddr ID CARD MISSING OR INVALID
DMKRSP432A RDR raddr ID CARD; 'userid' NOT IN CP DIRECTORY
DMKRSP433A RDR raddr ID CARD; INVALID DATA - 'data'
DMKRSP434A RDR raddr FATAL I/O ERROR; FILE PURGED

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DMKSAV350W DASD raddr SYSRES VOLID NOT aaaaaa
DMKSAV351W DASD raddr SYSRES NOT READY
DMKSAV352W FATAL DASD I/O ERROR
DMKSAV353W SYSRES DEVICE TYPE INVALID

DMKSNC044E SYSTEM name DOES NOT EXIST
DMKSNC171E SYSTEM name VOLID volid NOT MOUNTED
DMKSNC179E SYSTEM name VOLID volid NOT CP OWNED

DMKTAP500I TAPE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP501A TAPE 'addr' INT REQ
DMKTAP502I TAPE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP503I TAPE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP504D TAPE 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP505D TAPE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP513I TAPE 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP516I TAPE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP517I TAPE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP518I TAPE 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP519I TAPE 'addr' PE BURST CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP520I TAPE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP521I TAPE 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

DMKTHI002E INVALID OPERAND - operand
DMKTHI003E INVALID OPTION - option
DMKTHI026E OPERAND MISSING OR INVALID
DMKTHI045E userid NOT LOGGED ON

DMKTRA002E INVALID OPERAND - operand
DMKTRA003E INVALID OPTION - option
DMKTRA013E CONFLICTING OPTION - option
DMKTRA026E OPERAND MISSING OR INVALID
DMKTRA180W TRACE NOT IN EFFECT
DMKTRA182E (reserved for IBM use)

DMKUDR475I FATAL IO ERROR TRYING TO READ DIRECTORY

DMKUSO003E INVALID OPTION - option
DMKUSO020E USERID MISSING OR INVALID
DMKUSO045E userid NOT LOGGED ON

DMKVCH034E CHANNEL MISSING OR INVALID
DMKVCH048E CHANNEL x DOES NOT EXIST
DMKVCH129E CHANNEL x DEVICES IN USE
DMKVCH130E CHANNEL x NOT ATTACHED TO userid
DMKVCH132E CHANNEL x ALREADY DEFINED BY userid

DMKVDB003E INVALID OPTION - option
DMKVDB006E INVALID DEVICE TYPE - addr
DMKVDB020E USERID MISSING OR INVALID
DMKVDB021E RADDR MISSING OR INVALID
DMKVDB022E VADDR MISSING OR INVALID
DMKVDB023E VOLID MISSING OR INVALID
DMKVDB034E CHANNEL MISSING OR INVALID
DMKVDB040E DEV addr DOES NOT EXIST
DMKVDB045E userid NOT LOGGED ON
DMKVDB046E type raddr OFFLINE
DMKVDB120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED
DMKVDB121E type raddr NOT ATTACHED TO userid
DMKVDB122E type raddr ALREADY ATTACHED TO userid
DMKVDB123E DASD raddr CP OWNED
DMKVDB124E DASD raddr IN USE BY nnn USERS
DMKVDB125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM
DMKVDB126E DASD raddr ERROR READING VOLID
DMKVDB127E DASD raddr VOLID volid DOES NOT MATCH
DMKVDB128E DASD raddr ERROR READING ALLOCATION RECORD
DMKVDB133E DASD raddr NOT READY
DMKVDB134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED
DMKVDB135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED
DMKVDB140E type raddr ATTACHED TO userid

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DMKVDB142E type raddr NOT DRAINED  
DMKVDB143E type raddr IN USE BY SYSTEM  
  
DMKVDS465W CTLR raddr EMULATOR LINES IN USE BY SYSTEM  
  
DMKVER575I I/O ERROR ADD=raddr, USERID= userid  
  
DMKVMA161E SHARED PAGE hexloc ALTERED BY userid  
DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY  
DMKVMA456W CP ENTERED; name SHARED PAGE hexloc ALTERED  
  
| DMKVMIO22E VADDR MISSING OR INVALID  
DMKVMIO230E IPL SIO ERROR  
DMKVMIO231E IPL TIO ERROR  
DMKVMIO232E IPL UNIT ERROR; CSW csw SNS sense  
DMKVMIO233E IPL OVERLAY ERROR  
DMKVMIO234E IPL SENSE ERROR  
  
DMKVSP427I {CON|PRT|PUN} vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED  
DMKVSP429I {CON|PRT|PUN} vaddr SPOOL ERROR; FILE PURGED  
DMKVSP429I RDR vaddr SPOOL ERROR; FILE HELD  
  
DMKWRM921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR  
DMKWRM904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA  
DMKWRM912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED  
DMKWRM920I NO WARM START DATA; CKPT START FOR RETRY

CMS MESSAGES

DMSABN148T SYSTEM ABEND xxx CALLED FROM 'addr'  
DMSABN149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE HAVE BEEN DESTROYED. RE-IPL CMS.  
DMSABN150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED  
DMSABN152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS  
DMSABN153W 'HX' DURING ABEND PROCESSING WAS IGNORED  
DMSABN155T USER ABEND nnnn CALLED FROM addr

DMSACC002E FILE 'DMSROS TEXT' NOT FOUND  
DMSACC003E INVALID OPTION 'option'  
DMSACC017E INVALID DEVICE ADDRESS 'cuu'  
DMSACC048E INVALID MODE 'mode'  
DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK  
DMSACC060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode(cuu)' WILL NOT BE ACCESSED  
DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSACC112S DISK 'mode(cuu)' DEVICE ERROR  
DMSACC113S mode (cuu) NOT ATTACHED  
DMSACC230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED  
DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'  
DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]  
DMSACC724I cuu REPLACES mode (cuu)  
DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK  
DMSACC726I 'cuu mode' RELEASED

DMSAMS001E NO FILENAME SPECIFIED  
DMSAMS002E FILE 'fname1 AMSERV' NOT FOUND  
DMSAMS003E INVALID OPTION 'option'  
DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'  
DMSAMS007E FILE 'fname1 AMSERV fm' NOT FIXED 80-CHAR. RECORDS  
DMSAMS065E 'option' OPTION SPECIFIED TWICE  
DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
DMSAMS070E INVALID PARAMETER 'parameter'  
DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSAMS113S {TAPIN|TAPOUT} (addr) NOT ATTACHED  
DMSAMS136S UNABLE TO LOAD 'IDCMAS'.  
DMSAMS228E NO DDNAME ENTERED  
DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:  
DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT

DMSARE017E INVALID DEVICE ADDRESS 'cuu'  
DMSARE028E NO DEVICE SPECIFIED  
DMSARE048E INVALID MODE 'mode'  
DMSARE069E DISK '{mode|cuu}' NOT ACCESSED  
DMSARE070E INVALID PARAMETER 'parameter'

DMSARN001E NO FILENAME SPECIFIED  
DMSARN002E FILE 'fn ft' NOT FOUND  
DMSARN003E INVALID OPTION 'option'  
DMSARN004W WARNING MESSAGES ISSUED  
DMSARN006E NO READ/WRITE DISK ACCESSED  
DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSARN008W ERROR MESSAGES ISSUED  
DMSARN012W SEVERE ERROR MESSAGES ISSUED  
DMSARN016W TERMINAL ERROR MESSAGES ISSUED

DMSARX001E NO FILENAME SPECIFIED  
DMSARX002E FILE 'fn ASM3705' NOT FOUND  
DMSARX003E INVALID OPTION 'option'  
DMSARX006E NO READ/WRITE DISK ACCESSED  
DMSARX007E FILE 'fn ASM3705' IS NOT FIXED, 80-CHAR. RECORDS  
DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'  
DMSARX052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED  
DMSARX070E INVALID PARAMETER 'parameter'  
DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY  
DMSARX075E DEVICE 'device' INVALID FOR INPUT

DMSASH001E NO FILENAME SPECIFIED  
DMSASH002E FILE 'fn ASSEMBLE' NOT FOUND  
DMSASH003E INVALID OPTION 'option'  
DMSASH006E NO READ/WRITE DISK ACCESSED  
DMSASH007E FILE 'fn ASSEMBLE' IS NOT FIXED, 80-CHAR. RECORDS  
DMSASH038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'  
DMSASH052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED



DMSASH070E INVALID PARAMETER 'parameter'  
DMSASH074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY  
DMSASH075E DEVICE 'device' INVALID FOR INPUT

DMSASN003E INVALID OPTION 'option'  
DMSASN027E INVALID DEVICE 'device'  
DMSASN028E NO LOGICAL UNIT SPECIFIED  
DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD.  
DMSASN035E INVALID TAPE MODE  
DMSASN050E PARAMETER MISSING AFTER SYSxxx  
DMSASN065E 'option' OPTION SPECIFIED TWICE  
DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
DMSASN069E DISK 'mode' NOT ACCESSED  
DMSASN070E INVALID PARAMETER 'parameter'  
DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'  
DMSASN090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'  
DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSASN113S {TAPn|mode|READER|PUNCH|PRINTER}(cuu) NOT ATTACHED  
DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

DMSBOP037E DISK 'mode' IS READ/ONLY  
DMSBOP043E TAPn IS FILE PROTECTED  
DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'  
DMSBOP069E DISK 'mode' NOT ACCESSED  
DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM  
DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPn}  
DMSBOP113S {TAPn|mode (cuu)} NOT ATTACHED  
DMSBOP302E NO SYSxxx OPERAND SPECIFIED  
DMSBOP308E 'mode' DISK IN CMS FORMAT; INVALID FOR NON-CMS DATASET  
DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST  
DMSBOP401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

DMSBTB100E NO BATCH PROCESSOR AVAILABLE  
DMSBTB101E BATCH NOT LOADED  
DMSBTP105E NO JOB CARD PROVIDED  
DMSBTP106E JOB CARD FORMAT INVALID  
DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED  
DMSBTP108E /SET CARD FORMAT INVALID  
DMSBTP109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

DMSBWR107S DISK 'mode (cuu)' IS FULL  
DMSBWR109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSBWR170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF FILES

DMSCIO113S {READER|PUNCH} NOT ATTACHED  
DMSCIO145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}

DMSCIT171T PERMANENT CONSOLE ERROR, RE-IPL CMS.

DMSCLS043E TAPn IS FILE PROTECTED  
DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'  
DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'  
DMSCLS113S 'TAPn (cuu)' NOT ATTACHED

DMSCMP002E FILE 'fn [ft [fm]]' NOT FOUND  
DMSCMP003E INVALID OPTION 'option'  
DMSCMP005E NO COLUMN SPECIFIED  
DMSCMP009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSCMP010E PREMATURE EOF ON FILE ['fn ft [fm]']  
DMSCMP011E CONFLICTING FILE FORMATS  
DMSCMP019E IDENTICAL FILEIDS  
DMSCMP029E INVALID PARAMETER 'parameter' IN THE OPTION 'COL' FIELD  
DMSCMP054E INCOMPLETE FILEID SPECIFIED  
DMSCMP062E INVALID \* IN FILEID  
DMSCMP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSCMP179I COMPARING 'fn ft fm' WITH 'fn ft fm'  
DMSCMP209W FILES DO NOT COMPARE

DMSCMS006E NO READ/WRITE A-DISK ACCESSED  
DMSCMS095E INVALID ADDRESS 'address'  
DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)

DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS  
 DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS  
 DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR  
 DMSCMS715I CMSXGEN COMPLETE

DMSCPY002E {INPUT|OVERLAY} FILE 'fn ft fm' NOT FOUND  
 DMSCPY003E INVALID OPTION 'option'  
 DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS-- SPECIFY 'REPLACE'  
 DMSCPY029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE  
 DMSCPY037E DISK 'mode' IS READ/ONLY  
 DMSCPY042E NO FILEID(S) SPECIFIED  
 DMSCPY048E INVALID MODE 'fm'  
 DMSCPY054E INCOMPLETE FILEID SPECIFIED  
 DMSCPY062E INVALID CHAR '{=\*|char}' IN FILEID ['fn ft fm']  
 DMSCPY063E NO {TRANSLATION|SPECIFICATION} LIST ENTERED  
 DMSCPY064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR '.....'  
 DMSCPY065E 'option' OPTION SPECIFIED TWICE  
 DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS  
 DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT  
 DMSCPY101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '.....'  
 DMSCPY102S TOO MANY FILEIDS  
 DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20  
 DMSCPY156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS  
 DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'  
 DMSCPY172E TO LABEL 'label' {EQUALS|IS AN INITIAL SUBSTRING OF} PRLABEL 'label'  
 DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'  
 DMSCPY601R ENTER SPECIFICATION LIST:  
 DMSCPY602R ENTER TRANSLATION LIST:  
 DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft fm' {OLD|NEW} FILE]  
 DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'  
 DMSCPY903T IMPOSSIBLE PHASE CODE 'xx'  
 DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

DMSCRD171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

DMSCWR171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]

DMSDIO905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR

DMSDLB001E NO FILENAME SPECIFIED  
 DMSDLB003E INVALID OPTION 'option'  
 DMSDLB005E NO{CAT|BUFSP}' SPECIFIED  
 DMSDLB023E NO FILETYPE SPECIFIED  
 DMSDLB048E INVALID MODE 'mode'  
 DMSDLB050E PARAMETER MISSING AFTER DDNAME  
 DMSDLB065E 'option' OPTION SPECIFIED TWICE  
 DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSDLB070E INVALID PARAMETER 'parameter'  
 DMSDLB086E INVALID DDNAME 'ddname'  
 DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSDLB220R ENTER DATA SET NAME:  
 DMSDLB221E INVALID DATA SET NAME  
 DMSDLB301E 'SYSXXX' NOT ASSIGNED FOR DISK 'fm'  
 DMSDLB302E NO SYSXXX OPERAND ENTERED  
 DMSDLB304E INVALID OPERAND VALUE 'value'  
 DMSDLB305E INCOMPLETE EXTENT RANGE  
 DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'  
 DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND  
 DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET  
 DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED  
 DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED  
 DMSDLB322I 'ddname' NOT FOUND: NO CLEAR EXECUTED  
 DMSDLB323I {MASTER|JOB} CATALOG DLBL CLEARED  
 DMSDLB330R ENTER VOLUME SPECIFICATIONS:  
 DMSDLB331R ENTER EXTENT SPECIFICATIONS:

DMSDLK001E NO FILENAME SPECIFIED  
 DMSDLK003E INVALID OPTION 'option'  
 DMSDLK006E NO READ/WRITE DISK ACCESSED  
 DMSDLK007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSDLK070E INVALID PARAMETER 'parameter'

DMSDLK099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSDLK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSDLK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSDLK210E LIBRARY 'fn ft' IS ON A READ-ONLY DISK  
DMSDLK245S ERROR 'nnn' ON PRINTER  
  
DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED  
  
DMSDOS004E PHASE 'phase' NOT FOUND  
DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS  
DMSDOS092E STXIT SAVEAREA ADDRESS INVALID  
DMSDOS093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG  
DMSDOS094E FROM ADDRESS ON MVCOM MACRO INVALID  
DMSDOS095E INVALID ADDRESS 'address'  
DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE  
DMSDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller  
DMSDOS140S {FEVD|SEOV|PROV} MACRO NOT SUPPORTED  
DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST  
DMSDOS401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSDOS413S STORAGE NOT INITIALIZED FOR VSAH PROCESSING  
  
DMSDSK002E FILE 'fn ft fm' NOT FOUND  
DMSDSK009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSDSK014E INVALID FUNCTION 'function'  
DMSDSK037E DISK 'mode' IS READ/ONLY  
DMSDSK047E NO FUNCTION SPECIFIED  
DMSDSK048E INVALID MODE 'mode'  
DMSDSK054E INCOMPLETE FILEID SPECIFIED  
DMSDSK062E INVALID \* IN FILEID ['fn ft fm']  
DMSDSK070E INVALID PARAMETER 'parameter'  
DMSDSK077E END CARD MISSING FROM INPUT DECK  
DMSDSK078E INVALID CARD IN INPUT DECK  
DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK  
DMSDSK118S ERROR PUNCHING FILE  
DMSDSK124S ERROR READING CARD FILE  
DMSDSK205W READER EMPTY OR NOT READY  
  
DMSDSL002E FILE 'fn doslib' NOT FOUND  
DMSDSL003E INVALID OPTION 'option'  
DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'  
DMSDSL014E INVALID FUNCTION 'function'  
DMSDSL037E DISK 'mode' IS READ/ONLY  
DMSDSL046E NO LIBRARY NAME SPECIFIED  
DMSDSL047E NO FUNCTION SPECIFIED  
DMSDSL069E DISK 'mode' NOT ACCESSED  
DMSDSL070E INVALID PARAMETER 'parameter'  
DMSDSL098E NO PHASE NAME SPECIFIED  
DMSDSL104S ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK  
DMSDSL105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSDSL213W LIBRARY 'fn DOSLIB fm' NOT CREATED.  
  
DMSDSV003E INVALID OPTION 'option'  
DMSDSV021W NO TRANSIENT DIRECTORY  
DMSDSV022W NO CORE IMAGE DIRECTORY  
DMSDSV023W NO RELOCATABLE DIRECTORY  
DMSDSV024W NO PROCEDURE DIRECTORY  
DMSDSV025W NO SOURCE STATEMENT DIRECTORY  
DMSDSV026W 'phase' NOT IN LIBRARY  
DMSDSV027E INVALID DEVICE 'nn'  
DMSDSV027W NO PRIVATE CORE IMAGE LIBRARY  
DMSDSV028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES  
DMSDSV047E NO FUNCTION SPECIFIED  
DMSDSV065E 'option' OPTION SPECIFIED TWICE  
DMSDSV066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
DMSDSV070E INVALID PARAMETER 'parameter'  
DMSDSV095E INVALID ADDRESS 'address'  
DMSDSV099E CMS/DOS ENVIRONMENT NOT ACTIVE.  
DMSDSV105S ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK  
DMSDSV245S ERROR 'nnn' ON PRINTER  
  
DMSEDI003E INVALID OPTION 'option'  
DMSEDI024E FILE 'EDIT CHSUT1 fm' ALREADY EXISTS  
DMSEDI029E INVALID PARAMETER 'parameter' IN THE OPTION 'LRECL' FIELD  
DMSEDI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM

DMSEDI054E INCOMPLETE FILEID SPECIFIED  
DMSEDI076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED  
DMSEDI104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSEDI105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK  
DMSEDI117S ERROR WRITING TO DISPLAY TERMINAL  
DMSEDI132S FILE 'fn ft fm' TOO LARGE  
DMSEDI143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE  
DMSEDI144S REQUESTED FILE IS IN ACTIVE STATUS  
  
DMSERR215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS  
  
DMSERS002E FILE ['fn [ft [fm]]'] NOT FOUND  
DMSERS003E INVALID OPTION 'option'  
DMSERS037E DISK 'mode' IS READ/ONLY  
DMSERS048E INVALID MODE 'mode'  
DMSERS054E INCOMPLETE FILEID SPECIFIED  
DMSERS069E DISK 'mode' NOT ACCESSED  
DMSERS070E INVALID PARAMETER 'parameter'  
DMSERS071E ERASE \* \* [fm|\*] NOT ALLOWED  
DMSERS109T VIRTUAL STORAGE CAPACITY EXCEEDED  
  
DMSERV001E NO FILENAME SPECIFIED  
DMSERV002E FILE 'fn ESERV' NOT FOUND  
DMSERV006E NO READ/WRITE DISK ACCESSED  
DMSERV027E INVALID DEVICE 'device' FOR SYSxxx  
DMSERV037E DISK 'mode' IS READ/ONLY  
DMSERV070E INVALID ARGUMENT 'argument'  
DMSERV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
  
DMSEXC001E NO FILENAME SPECIFIED  
  
DMSEXT072E ERROR IN EXEC FILE fn LINE nn - message  
  
DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSFCH113S DISK (cuu) NOT ATTACHED  
DMSFCH115E PHASE LOAD POINT LESS THAN 'address'  
DMSFCH411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSCLB}'  
DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST  
  
DMSFET004E PHASE 'phase' NOT FOUND  
DMSFET003E INVALID OPTION 'option'  
DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD  
DMSFET070E INVALID PARAMETER 'parameter'  
DMSFET098E NO PHASE NAME SPECIFIED  
DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION XXXXXX  
  
DMSFLD003E INVALID OPTION 'option'  
DMSFLD023E NO FILETYPE SPECIFIED  
DMSFLD027E INVALID DEVICE 'device name'  
DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
DMSFLD035E INVALID TAPE MODE  
DMSFLD050E PARAMETER MISSING AFTER DDNAME  
DMSFLD065E 'option' OPTION SPECIFIED TWICE  
DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
DMSFLD069I DISK 'mode' NOT ACCESSED  
DMSFLD070E INVALID PARAMETER 'parameter'  
DMSFLD220R ENTER DATA SET NAME:  
DMSFLD221E INVALID DATA SET NAME 'data set name'  
DMSFLD224E FILEID ALREADY IN USE  
DMSFLD704I INVALID CLEAR REQUEST  
  
DMSFNS109T VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSFNS908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'. REASON CODE 'nn'.  
DMSFNS909T PERM I/O ERROR ON 'cuu'. CSW cccccccc cccccccc SENSE ssssssss ssssssss ssssssss  
ssssssss ssssssss ssssssss.  
  
DMSFOR003E INVALID OPTION 'option'  
DMSFOR017E INVALID DEVICE ADDRESS 'cuu'  
DMSFOR028E NO DEVICE SPECIFIED  
DMSFOR037E DISK 'mode[ (cuu) ]' IS READ/ONLY  
DMSFOR048E INVALID MODE 'mode'  
DMSFOR069E DISK 'mode' NOT ACCESSED  
DMSFOR070E INVALID PARAMETER 'parameter'

DMSFOR113S cuu NOT ATTACHED  
DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE  
DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'  
DMSFOR126S ERROR {READ|WRITING LABEL ON DISK 'mode(cuu)'  
DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE  
DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'. DO YOU WISH TO CONTINUE? (YES|NO):  
DMSFOR605R ENTER DISK LABEL:  
DMSFOR705I DISK REMAINS UNCHANGED  
DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'  
DMSFOR733I FORMATTING DISK 'mode'

DMSFRE159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY DMSFREE REQUEST FROM addr  
DMSFRE160T INVALID DMSFREE CALL FROM addr  
DMSFRE161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn  
DMSFRE162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS  
DMSFRE163T {LOW|HIGH}-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn).  
DMSFRE164T {LOW|HIGH}-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn).  
DMSFRE165T CHAIN HEADER AT addr: xxxxxx xxxxxx xxxxxx xxxxxx  
DMSFRE166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn).  
RE-IPL CMS  
DMSFRE167T FREE STORAGE MANAGEMENT ERROR, INTERNAL CODE ERROR nn

DMSGEN006E NO READ/WRITE A-DISK ACCESSED  
DMSGEN095E INVALID ADDRESS 'address'  
DMSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME  
DMSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS  
DMSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS  
DMSGEN715I DOSGEN COMPLETE

DMSGLB002W FILE 'fn ft' NOT FOUND  
DMSGLB014E INVALID FUNCTION 'function'  
DMSGLB047E NO FUNCTION SPECIFIED  
DMSGLB108S MORE THAN 8 LIBRARIES SPECIFIED

DMSGND002W FILE 'fn ft fm' NOT FOUND  
DMSGND021E ENTRY POINT 'name' NOT FOUND  
DMSGND022E NO DIRECTORY NAME SPECIFIED  
DMSGND070E INVALID PARAMETER 'parameter'

DMSGRN002E FILE 'fn ft [fm]' NOT FOUND  
DMSGRN003E INVALID OPTION 'option'  
DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
DMSGRN048E INVALID MODE 'mode'  
DMSGRN054E INCOMPLETE FILEID SPECIFIED  
DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'

| DMSIFC002E FILE 'fn ft [fm]' NOT FOUND  
| DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
| DMSIFC023E NO FILETYPE SPECIFIED  
| DMSIFC066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSIFC070E INVALID PARAMETER 'parameter'  
| DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
| DMSIFC113S TAP2(182) NOT ATTACHED  
| DMSIFC825E INVALID OPERAND 'operand'  
| DMSIFC826E EREP TXTLIBS NOT FOUND  
| DMSIFC827I CPEREPR PRINTING COMPLETE  
| DMSIFC828I CPEREPR CLEAR HAS BEEN COMPLETED  
| DMSIFC829W CPEREPR CLEAR HAS BEEN IGNORED  
| DMSIFC831E MORE THAN 1000 CHARS. OF OPTIONS SPECIFIED

DMSINI079E INVALID DEVICE ADDRESS - REENTER  
DMSINI080E INVALID CYLINDER NUMBER - REENTER  
DMSINI081E INVALID REPLY - ANSWER "YES" OR "NO"  
DMSINI082E IPL DEVICE ERROR - REENTER  
DMSINI083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE  
DMSINI131S IPL DEVICE WRITE I/O ERROR  
DMSINI606R SYSTEM DISK ADDRESS = cuu  
DMSINI607R REWRITE THE NUCLEUS? {YES|NO}  
DMSINI608R IPL DEVICE ADDRESS = cuu  
DMSINI609R NUCLEUS CYL ADDRESS = nnn  
DMSINI610R ALSO IPL CYLINDER 0? {YES|NO}  
DMSINI611R VERSION IDENTIFICATION =  
DMSINI612R INSTALLATION HEADING =  
DMSINI615R Y - DISK ADDRESS = cuu  
DMSINI902T IPL DEVICE READ I/O ERROR

DMSINS098W CMS OS SIMULATION NOT AVAILABLE  
DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

DMSINT015E {UNKNOWN {CP/CMS|CMS|CP} |INVALID {CMS|SUBSET}} COMMAND

DMSITP141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee  
DMSITP142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE  
DMSITP143T exception EXCEPTION OCCURRED AT addr IN SYSTEM ROUTINE callee.  
DMSITP144T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee WHILE 'UFDBUSY' = xx.

DMSITS098S CMS OS SIMULATION NOT AVAILABLE  
DMSITS122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxxxx)  
DMSITS134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr.  
DMSITS135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr  
DMSITS136T SVC CALL FROM addr ILLEGALLY RE-ENTERS INTSVC. RE-IPL CMS  
DMSITS137T CALL TO routine FROM addr DESTROYED SYSTEM SAVE AREA. RE-IPL CMS  
DMSITS138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY STACK, WITH MAX DEPTH 7.  
DMSITS139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK  
DMSITS140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET.  
DMSITS154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED

DMSLBM001E NO FILENAME SPECIFIED  
DMSLBM002E FILE 'fn ft' NOT FOUND  
DMSLBM002W FILE 'fn ft fm' NOT FOUND  
DMSLBM003E INVALID OPTION 'option'  
DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSLBM014E INVALID FUNCTION 'function'  
DMSLBM037E DISK 'mode' IS READ/ONLY  
DMSLBM046E NO LIBRARY NAME SPECIFIED  
DMSLBM047E NO FUNCTION SPECIFIED  
DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSLBM070E INVALID PARAMETER 'parameter'  
DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSLBM157S MACLIB LIMIT EXCEEDED [, LAST MEMBER ADDED WAS 'membername']  
DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED  
DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED  
DMSLBM907T I/O ERROR ON FILE 'fn ft fm'

DMSLBT001E NO FILENAME SPECIFIED  
DMSLBT002E FILE 'fn ft' NOT FOUND  
DMSLBT002W FILE 'fn ft' NOT FOUND  
DMSLBT003E INVALID OPTION 'option'  
DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSLBT014E INVALID FUNCTION 'function'  
DMSLBT046E NO LIBRARY NAME SPECIFIED  
DMSLBT047E NO FUNCTION SPECIFIED  
DMSLBT056E FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS  
DMSLBT056W FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS  
DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSLBT106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED  
DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED

DMSLDS002E DATA SET NOT FOUND  
DMSLDS003E INVALID OPTION 'option'  
DMSLDS048E INVALID MODE 'mode'  
DMSLDS069E DISK 'mode' NOT ACCESSED  
DMSLDS220R ENTER DATA SET NAME:  
DMSLDS221E INVALID DATA SET NAME  
DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK  
DMSLDS223E NO FILEMODE SPECIFIED  
DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION  
DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK  
DMSLDS229I NO MEMBERS FOUND  
DMSLDS231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK  
DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

DMSLGT002I FILE 'fn' TXTLIB NOT FOUND

DMSLIO001E NO FILENAME SPECIFIED  
DMSLIO002E FILE 'fn ft' NOT FOUND  
DMSLIO002I FILE 'fn' TXTLIB NOT FOUND  
DMSLIO003E INVALID OPTION 'option'

DMSLIO005E NO 'option' SPECIFIED  
 DMSLIO021E ENTRY POINT 'name' NOT FOUND  
 DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSLIO055E NO ENTRY POINT DEFINED  
 DMSLIO056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS  
 DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE  
 DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK  
 DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSLIO116S LOADER TABLE OVERFLOW  
 DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW  
 DMSLIO169S ESDID TABLE OVERFLOW  
 DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:  
 DMSLIO202W DUPLICATE IDENTIFIER 'identifier'  
 DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED  
 DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR  
 DMSLIO740I EXECUTION BEGINS ...  
 DMSLIO907T I/O ERROR ON FILE 'fn ft fm'

DMSLKD001E NO FILENAME SPECIFIED  
 DMSLKD002E FILE 'fn ASSEMBLE' NOT FOUND  
 DMSLKD004W WARNING MESSAGES ISSUED  
 DMSLKD005E NO 'option' SPECIFIED  
 DMSLKD006E NO READ/WRITE DISK ACCESSED  
 DMSLKD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
 DMSLKD008W ERROR MESSAGES ISSUED  
 DMSLKD012W SEVERE ERROR MESSAGES ISSUED  
 DMSLKD016W TERMINAL ERROR MESSAGES ISSUED  
 DMSLKD070E INVALID PARAMETER 'parameter'

DMSLLU003E INVALID OPTION 'option'  
 DMSLLU006E NO READ/WRITE 'A' DISK ACCESSED  
 DMSLLU070E INVALID PARAMETER 'parameter'  
 DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSLLU105S ERROR 'nn' WRITING FILE '\$LISTIO EXEC A1' ON DISK  
 DMSLLU303E NO SYSXXX SATISFIES REQUEST

DMSLST002E FILE NOT FOUND  
 DMSLST003E INVALID OPTION 'option'  
 DMSLST037E DISK 'A' IS READ/ONLY  
 DMSLST048E INVALID MODE 'mode'  
 DMSLST066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
 DMSLST069E DISK 'mode' NOT ACCESSED  
 DMSLST070E INVALID PARAMETER 'parameter'  
 DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK

DMSMDP001E NO FILENAME SPECIFIED  
 DMSMDP002E FILE 'fn ft' NOT FOUND  
 DMSMDP018E NO LOAD MAP AVAILABLE  
 DMSMDP070E INVALID PARAMETER 'parameter'

DMSMOD001E NO FILENAME SPECIFIED  
 DMSMOD002E FILE 'fn ft' NOT FOUND  
 DMSMOD003E INVALID OPTION 'option'  
 DMSMOD005E NO '{FROM|TO}' ENTRY SPECIFIED  
 DMSMOD021E ENTRY POINT 'name' NOT FOUND  
 DMSMOD032E INVALID FILETYPE 'ft'  
 DMSMOD037E DISK 'mode' IS READ/ONLY  
 DMSMOD040E NO FILES LOADED  
 DMSMOD070E INVALID PARAMETER 'parameter'  
 DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS  
 DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK  
 DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSMOD114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE  
 DMSMOD116S LOADER TABLE OVERFLOW

DMSHVE002E FILE 'fn ft fm' NOT FOUND  
 DMSHVE003E INVALID OPTION 'option'  
 DMSHVE037E OUTPUT DISK 'mode' IS READ/ONLY  
 DMSHVE041E INPUT AND OUTPUT FILES ARE THE SAME  
 DMSHVE048E INVALID MODE 'mode'  
 DMSHVE070E INVALID PARAMETER 'parameter'  
 DMSHVE073E UNABLE TO OPEN FILE ddname

DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}  
DMSMVE086E INVALID DDNAME 'ddname'  
DMSMVE127S UNSUPPORTED DEVICE FOR ddname  
DMSMVE128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname  
DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname  
DMSMVE130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 8  
DMSMVE225I PDS MEMBER 'membername' MOVED  
DMSMVE226I END OF PDS MOVE  
DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA  
DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'

DMSNCP001E NO FILENAME SPECIFIED  
DMSNCP002E FILE 'fn ASSEMBLE' NOT FOUND  
DMSNCP003E INVALID OPTION 'option'  
DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSNCP021E ENTRY POINT 'name' NOT FOUND  
DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM  
DMSNCP045E UNSUPPORTED 370X CONTROL PROGRAM TYPE  
DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370  
DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx  
DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

DMSOPT070E INVALID PARAMETER 'parameter'  
DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE

DMSOVR014E INVALID FUNCTION 'function'  
DMSOVR047E NO FUNCTION SPECIFIED  
DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR MODULE' ON DISK  
DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSDPD088E UNSUPPORTED DTF TYPE 'dtftype'

DMSPIO113S PRINTER NOT ATTACHED  
DMSPIO145S INTERVENTION REQUIRED ON PRINTER

DMSPR002E FILE 'fn ft fm' NOT FOUND  
DMSPR003E INVALID OPTION 'option'  
DMSPR008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
DMSPR013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMSPR029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
DMSPR033E FILE 'fn ft fm' IS NOT A LIBRARY  
DMSPR039E NO ENTRIES IN LIBRARY 'fn ft fm'  
DMSPR044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
DMSPR048E INVALID MODE 'mode'  
DMSPR054E INCOMPLETE FILEID SPECIFIED  
DMSPR062E INVALID \* IN FILEID  
DMSPR070E INVALID PARAMETER 'parameter'  
DMSPR104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSPR123S ERROR PRINTING FILE 'fn ft fm'

DMSPRV003E INVALID OPTION 'option'  
DMSPRV004E PROCEDURE 'procedure' NOT FOUND  
DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSPRV037E DISK 'A' IS READ/ONLY  
DMSPRV070E INVALID PARAMETER 'parameter'  
DMSPRV097E NO 'SYSRES' VOLUME ACTIVE  
DMSPRV098E NO PROCEDURE NAME SPECIFIED  
DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK  
DMSPRV113S DISK (cuu) NOT ATTACHED  
DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'

DMPUN002E FILE 'fn ft fm' NOT FOUND  
DMPUN003E INVALID OPTION 'option'  
DMPUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
DMPUN013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMPUN033E FILE 'fn ft fm' IS NOT A LIBRARY  
DMPUN039E NO ENTRIES IN LIBRARY 'fn ft fm'  
DMPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
DMPUN054E INCOMPLETE FILEID SPECIFIED  
DMPUN062E INVALID \* IN FILEID  
DMPUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK



DMSRUN118S ERROR PUNCHING FILE 'fn ft fm'  
DMSQRY005E NO 'option' SPECIFIED  
DMSQRY014E INVALID FUNCTION 'function'  
DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION  
DMSQRY047E NO FUNCTION SPECIFIED  
DMSQRY070E INVALID PARAMETER 'parameter'  
DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSRDC008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
DMSRDC037E DISK 'A' IS READ/ONLY  
DMSRDC042E NO FILEID SPECIFIED  
DMSRDC054E INCOMPLETE FILEID SPECIFIED  
DMSRDC062E INVALID \* IN FILEID  
DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSRDC124S ERROR READING CARD FILE  
DMSRDC205W READER EMPTY OR NOT READY  
DMSRDC701I NULL FILE  
DMSRDC702I [READ CONTROL CARD MISSING. FOLLOWING ASSUMED:] :READ {fn ft fm|READCARD CMSUT1 A1}  
DMSRDC738I RECORD LENGTH IS 'nnn' BYTES  
DMSREA830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS  
DMSRNM002E FILE 'fn ft fm' NOT FOUND  
DMSRNM003E INVALID OPTION 'option'  
DMSRNM019E IDENTICAL FILEIDS  
DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS  
DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE  
DMSRNM037E DISK 'mode (cuu)' IS READ/ONLY  
DMSRNM051E INVALID MODE CHANGE  
DMSRNM054E INCOMPLETE FILEID SPECIFIED  
DMSRNM062E INVALID \* IN OUTPUT FILEID  
DMSRRV003E INVALID OPTION 'option'  
DMSRRV004E MODULE 'module' NOT FOUND  
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSRRV070E INVALID PARAMETER 'parameter'  
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE  
DMSRRV098E NO MODULE NAME SPECIFIED  
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSRRV113S DISK (cuu) NOT ATTACHED  
DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'  
DMSRUN001E NO FILENAME SPECIFIED  
DMSRUN002E FILE 'fn ft fm' NOT FOUND  
DMSRUN048E INVALID MODE 'mode'  
DMSRUN070E INVALID PARAMETER 'parameter'  
DMSRUN999E NO ft PROCESSOR FOUND  
DMSRCT120S {IN/OUT}PUT ERROR 'code' ON 'ddname'  
DMSSET014E INVALID FUNCTION 'function'  
DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION  
DMSSET031E LOADER TABLES CANNOT BE MODIFIED  
DMSSET047E NO FUNCTION SPECIFIED  
DMSSET048E INVALID MODE 'mode'  
DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}  
DMSSET061E NO TRANSLATION CHARACTER SPECIFIED  
DMSSET070E INVALID PARAMETER 'parameter'  
DMSSET098W CMS OS SIMULATION NOT AVAILABLE  
DMSSET099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE  
DMSSET142S SAVED SYSTEM NAME 'name' INVALID  
DMSSET333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE  
DMSSET400S SYSTEM 'sysname' DOES NOT EXIST  
DMSSET401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
DMSMMN109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSMMN133S INVALID GETMAIN OR FREEMAIN SPECIFICATION  
DMSROP036E OPEN ERROR 'code' ON 'ddname'  
DMSROP109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSSRT002E FILE 'fn ft fm' NOT FOUND  
 DMSSRT009E COLUMN 'col' EXCEEDS RECORD LENGTH  
 DMSSRT019E IDENTICAL FILEIDS  
 DMSSRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH  
 DMSSRT037E DISK 'mode' IS READ/ONLY  
 DMSSRT053E INVALID SORT FIELD PAIR DEFINED  
 DMSSRT054E INCOMPLETE FILEID SPECIFIED  
 DMSSRT062E INVALID \* IN OUTPUT FILEID  
 DMSSRT063E NO LIST ENTERED  
 DMSSRT070E INVALID PARAMETER 'parameter'  
 DMSSRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSSRT212E MAXIMUM NUMBER OF RECORDS EXCEEDED  
 DMSSRT604R ENTER SORT FIELDS:

DMSSRV003E INVALID OPTION 'option'  
 DMSSRV004E BOOK 'subl.book' NOT FOUND  
 DMSSRV006E NO READ/WRITE 'A' DISK ACCESSED  
 DMSSRV070E INVALID PARAMETER 'parameter'  
 DMSSRV097E NO 'SYSRES' VOLUME ACTIVE  
 DMSSRV098E NO BOOK NAME SPECIFIED  
 DMSSRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
 DMSSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSSRV113S DISK (cuu) NOT ATTACHED  
 DMSSRV194S BOOK 'subl.book' CONTAINS BAD RECORDS  
 DMSSRV411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSSLB}

DMSSSK070E INVALID PARAMETER 'parameter'  
 DMSSSK362E INVALID STORAGE PROTECT KEY 'key'  
 DMSSSK363E INVALID STARTING ADDRESS 'startadr'  
 DMSSSK364E V.M. STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr to endadr  
 DMSSSK365E SYSTEM NAME NOT SPECIFIED  
 DMSSSK400S SYSTEM 'name' DOES NOT EXIST  
 DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'

DMSSTG109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSSTG133S INVALID GETMAIN OR FREEMAIN SPECIFICATION

DMSSTT002E FILE 'fn ft fm' NOT FOUND  
 DMSSTT048E INVALID MODE 'mode'  
 DMSSTT054E INCOMPLETE FILEID SPECIFIED  
 DMSSTT062E INVALID 'char' IN FILEID 'fn ft'  
 DMSSTT069E DISK 'mode' NOT ACCESSED  
 DMSSTT070E INVALID PARAMETER 'parameter'  
 DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'  
 DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'  
 DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'

DMSSVT033E FILE 'fn ft fm' IS NOT A LIBRARY  
 DMSSVT119S UNSUPPORTED FORM OF 'macro' MACRO  
 DMSSVT120S {IN|OUT}PUT ERROR 'code' ON 'ddname'  
 DMSSVT121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr

DMSSYN002E FILE 'fn ft fm' NOT FOUND  
 DMSSYN003E INVALID OPTION 'option'  
 DMSSYN007E FILE 'fn ft fm' NOT FIXED, 80 CHAR RECORDS  
 DMSSYN032E INVALID FILETYPE 'ft'  
 DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
 DMSSYN066E 'STD' AND 'NOSTD' ARE CONFLICTING OPTIONS  
 DMSSYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSSYN711I NO SYSTEM SYNONYMS IN EFFECT  
 DMSSYN712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)

DMSTMA001E NO FILENAME SPECIFIED  
 DMSTMA003E INVALID OPTION 'option'  
 DMSTMA057E INVALID RECORD FORMAT  
 DMSTMA070E INVALID PARAMETER 'parameter'  
 DMSTMA105S ERROR nn WRITING FILE fn ft ON DISK  
 DMSTMA109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSTMA110S ERROR READING 'TAPn'  
 DMSTMA137S ERROR nn ON STATE FOR fn ft  
 DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE  
 DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS

DMSTPD003E INVALID OPTION 'option'

DMSTPD058E END-OF-FILE OR END-OF-TAPE  
DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSTPD110S ERROR READING 'TAPn'  
DMSTPD703I FILE 'fn ft [fm]' COPIED  
DMSTPD707I TEN FILES COPIED

DMSTPE002E FILE 'fn ft fm' NOT FOUND  
DMSTPE003E INVALID OPTION 'option'  
DMSTPE010E PREMATURE EOF ON FILE 'fn ft fm'  
DMSTPE014E INVALID FUNCTION 'function'  
DMSTPE017E INVALID DEVICE ADDRESS 'cuu'  
DMSTPE023E NO FILETYPE SPECIFIED  
DMSTPE027E INVALID DEVICE 'device name'  
DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
DMSTPE037E DISK 'mode' IS READ/ONLY  
DMSTPE042E NO FILEID SPECIFIED  
DMSTPE043E 'TAPn (cuu)' IS FILE PROTECTED  
DMSTPE047E NO FUNCTION SPECIFIED  
DMSTPE048E INVALID MODE 'mode'  
DMSTPE057E INVALID RECORD FORMAT  
DMSTPE058E END-OF-FILE OR END-OF-TAPE  
DMSTPE070E INVALID PARAMETER 'parameter'  
DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSTPE110S ERROR READING 'TAPn (cuu)'  
DMSTPE111S ERROR WRITING 'TAPn (cuu)'  
DMSTPE113S TAPn (cuu) NOT ATTACHED  
DMSTPE115S {CONVERSION|{7|9}-TRACK|{800|6250} BEI|TRANSLATION|DUAL-DENSITY} FEATURE NOT SUPPORTED  
ON DEVICE 'cuu'  
DMSTPE701I NULL FILE

DMSTYP002E FILE 'fn ft fm' NOT FOUND  
DMSTYP003E INVALID OPTION 'option'  
DMSTYP005E NO 'option' SPECIFIED  
DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]  
DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY  
DMSTYP039E NO ENTRIES IN LIBRARY 'fn ft fm'  
DMSTYP049E INVALID LINE NUMBER 'line number'  
DMSTYP054E INCOMPLETE FILEID SPECIFIED  
DMSTYP062E INVALID \* IN FILEID  
DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

DMSUPD001E NO FILENAME SPECIFIED  
DMSUPD002E FILE 'fn ft fm' NOT FOUND  
DMSUPD003E INVALID OPTION 'option'  
DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ NUMBER '.....' NOT FOUND  
DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS  
DMSUPD037E DISK 'A' IS READ/ONLY  
DMSUPD048E INVALID MODE 'mode'  
DMSUPD065E 'option' OPTION SPECIFIED TWICE  
DMSUPD066E 'option' and 'option' ARE CONFLICTING OPTIONS  
DMSUPD069E DISK 'A' NOT ACCESSED  
DMSUPD070E INVALID PARAMETER 'parameter'  
DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '.....' TO '.....'  
DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '.....'  
DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED.]  
DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'  
DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'  
DMSUPD180W MISSING PTF FILE 'fn ft fm'  
DMSUPD181E NO UPDATE FILES WERE FOUND  
DMSUPD182W SEQUENCE INCREMENT IS ZERO  
DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD  
DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED  
DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '.....'  
DMSUPD186W SEQUENCE NUMBER '.....' NOT FOUND  
DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'  
DMSUPD207W INVALID UPDATE FILE CONTROL CARD  
DMSUPD210W INPUT FILE SEQUENCE ERROR: '.....' TO '.....'  
DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE.

DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE.  
DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK.

DMSVGN069E DISK 'A' NOT ACCESSED.  
DMSVGN360E INVALID RESPONSE 'response'.  
DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'.  
DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':  
DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK.  
DMSVGN361I CREATING CMS TEXT FILES...  
DMSVGN361R ENTER EITHER 'DOS' OR 'OS':  
DMSVGN362I LINK EDITING sysname  
DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:  
DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'.  
DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:  
DMSVGN364I FETCHING sysname...  
DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):  
DMSVGN365I SYSTEM sysname SAVED  
DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':  
DMSVGN366I STARTING TO READ PTF DECKS FROM READER...  
DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:  
DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'.  
DMSVGN368I count NEW PTF DECKS WILL BE APPLIED.  
DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':  
DMSVGN369E INVALID - RELEASE 31 OR LATER REQUIRED  
DMSVGN369R ENTER RELEASE NUMBER OF DOS/V S STARTER SYSTEM:  
DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:  
DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION  
DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:

DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST  
DMSVIB401S V.M. SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)  
DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'

DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
DMSVIP230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

DMSVPD070E INVALID PARAMETER 'parameter'  
DMSVPD105S ERROR 'nn' WRITING FILE 'fn CMSUT1 A1' ON DISK.  
DMSVPD109S VIRTUAL STORAGE CAPACITY EXCEEDED.  
DMSVPD110S ERROR READING TAP1(181).  
DMSVPD113S TAP1(181) NOT ATTACHED.  
DMSVPD367I 'modulename TEXT' WRITTEN ON DISK 'A'  
DMSVPD368I count NEW PTF DECKS WILL BE APPLIED  
DMSVPD383R APPLY 'fn'? ...ENTER 'NO' OR EOB:

DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY  
DMSXCP043E TAPE (cuu) IS FILE PROTECTED  
DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSXCP113S 'device (cuu)' NOT ATTACHED  
DMSXCP411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'  
DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'

DMSZAP001E NO FILENAME SPECIFIED  
DMSZAP002W FILE 'fn ft' NOT FOUND  
DMSZAP002E FILE 'fn ft' NOT FOUND  
DMSZAP003E INVALID OPTION 'option'  
DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
DMSZAP014E INVALID FUNCTION 'function'  
DMSZAP047E NO FUNCTION SPECIFIED  
DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS  
DMSZAP070E INVALID PARAMETER 'parameter'  
DMSZAP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET  
DMSZAP191W PATCH OVERLAPS - SET NO GO SWITCH  
DMSZAP192W ERROR - ODD NUMBER OF DIGITS - SET NO GO SWITCH  
DMSZAP193W PRECEDING CONTROL RECORD FLUSHED  
DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername' |MODULE 'modulename'} -SET NO GO SWITCH  
DMSZAP195W BASE VALUE INVALID - SET NO GO SWITCH  
DMSZAP200W VERIFY REJECT - SET NO GO SWITCH  
DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT  
DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK  
DMSZAP245S ERROR 'nnn' ON PRINTER  
DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH

DMSZAP247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH  
DMSZAP248W INVALID VER/REP DISP - SET NO GO SWITCH  
DMSZAP750I ZAP PROCESSING COMPLETE  
DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

RSCS MESSAGES

DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid  
DMTAXS102I FILE spoolid PENDING FOR LINK linkid  
DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS  
DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss  
DMTAXS105I FILE spoolid PURGED  
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid  
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING  
DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid  
DMTAXS520I FILE spoolid CHANGED  
DMTAXS521I FILE spoolid HELD FOR LINK linkid  
DMTAXS522I FILE spoolid RELEASED FOR LINK linkid  
DMTAXS523I LINK linkid QUEUE REORDERED  
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN  
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN  
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN  
DMTAXS640I nn FILE(S) PURGED ON LINK linkid

DMTCMX001I FREE STORAGE = nn PAGES  
DMTCMX003I LINK linkid EXECUTING: (command line text)  
DMTCMX200I RSCS  
DMTCMX201E INVALID COMMAND command  
DMTCMX202E INVALID LINK linkid  
DMTCMX203E INVALID SPOOL FILE ID spoolid  
DMTCMX204E INVALID KEYWORD keyword  
DMTCMX205E CONFLICTING KEYWORD keyword  
DMTCMX206E INVALID OPTION keyword option  
DMTCMX207E CONFLICTING OPTION keyword option  
DMTCMX208E INVALID USER ID userid  
DMTCMX300I ACCEPTED BY TASK task  
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE  
DMTCMX302E LINK linkid IS NOT DEFINED  
DMTCMX303E LINK linkid IS NOT ACTIVE  
DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING  
DMTCMX540I NEW LINK linkid DEFINED  
DMTCMX541I LINK linkid REDEFINED  
DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED  
DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED  
DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED  
DMTCMX550I LINK linkid NOW DELETED  
DMTCMX551E LINK linkid ACTIVE -- NOT DELETED  
DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED  
DMTCMX560I RSCS DISCONNECTING  
DMTCMX561E USERID userid NOT RECEIVING  
DMTCMX651I LINK linkid INACTIVE  
DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n  
DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m  
DMTCMX654I LINK linkid Q=m P=n  
DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}  
DMTCMX660I FILE spoolid INACTIVE ON LINK linkid  
DMTCMX661I FILE spoolid ACTIVE ON LINK linkid  
DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO locid2 userid2  
DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}  
DMTCMX664E FILE spoolid NOT FOUND  
DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}  
DMTCMX671I LINK linkid INACTIVE  
DMTCMX672I NO LINK ACTIVE  
DMTCMX673I NO LINK DEFINED  
DMTCMX700I ACTIVATING LINK linkid task type vaddr c  
DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED  
DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED  
DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED  
DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED  
DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT ACTIVATED  
DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED  
DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED  
DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED  
DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED  
DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED  
DMTCMX750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN  
DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED  
DMTCMX752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET

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DMTINI402T IPL DEVICE READ I/O ERROR
DMTINI406R SYSTEM DISK ADDRESS = cuu
DMTINI407R REWRITE THE NUCLEUS? [YES|NO]
DMTINI409R NUCLEUS CYL ADDRESS = nnn
DMTINI410R ALSO IPL CYLINDER 0? [YES|NO]
DMTINI431S IPL DEVICE WRITE I/O ERROR
DMTINI479E INVALID DEVICE ADDRESS - REENTER
DMTINI480E INVALID CYLINDER NUMBER - REENTER
DMTINI481E INVALID REPLY - ANSWER "YES" OR "NO"
DMTINI482E SYSTEM DISK ERROR - REENTER
DMTINI483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTNPT904E SIGNON PARAMETER=parameter INVALID
DMTNPT907E SIGNON TYPE PARAMETER MISSING
DMTNPT936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTNPT147I SENT: FILE spoolid ON LINK linkid
DMTNPT148I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOU= ppp
DMTNPT160I LINE vaddr DISABLED FOR LINK linkid
DMTNPT170I FROM linkid: (MSG message text)
DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTNPT510I FILE spoolid BACKSPACED
DMTNPT511E NO FILE ACTIVE ON LINK linkid
DMTNPT530I COMMAND FORWARDED ON LINK linkid
DMTNPT570I LINK linkid NOW SET TO DEACTIVATE
DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE
DMTNPT580I FILE spoolid PROCESSING TERMINATED
DMTNPT581E FILE spoolid NOT ACTIVE
DMTNPT590I LINK linkid RESUMING FILE TRANSFER
DMTNPT591E LINK linkid NOT IN HOLD STATUS
DMTNPT600I FILE spoolid FORWARD SPACED
DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTNPT612E LINK linkid ALREADY IN HOLD STATUS
DMTNPT801I LINK linkid ERROR TRACE STARTED
DMTNPT802I LINK linkid TRACE STARTED
DMTNPT803I LINK linkid TRACE ENDED
DMTNPT810E LINK linkid TRACE ALREADY ACTIVE
DMTNPT811E LINK linkid TRACE NOT ACTIVE
DMTNPT902E NON-SIGNON CARD READ ON LINK linkid
DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
DMTNPT905I SIGNON OF LINKID (linkid) COMPLETE
DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED

DMTrex000I RSCS (VER v, LEV l, mm/dd/yy) READY
DMTrex002I LINK linkid DEACTIVATED
DMTrex091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

DMTSML070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTSML108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTSML141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSML142I LINK linkid LINE vaddr CONNECTED
DMTSML143I LINK linkid LINE vaddr DISCONNECTED
DMTSML144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTSML147I SENT: FILE spoolid ON LINK linkid
DMTSML148I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid
DMTSML149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOU= ppp
DMTSML160I LINE vaddr DISABLED FOR LINK linkid
DMTSML170I FROM linkid: (MSG message text)
DMTSML190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTSML510I FILE spoolid BACKSPACED
DMTSML511E NO FILE ACTIVE ON LINK linkid
DMTSML570I LINK linkid NOW SET TO DEACTIVATE
DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE
DMTSML580I FILE spoolid PROCESSING TERMINATED

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DMTSML581E FILE spoolid NOT ACTIVE  
DMTSML590I LINK linkid RESUMING FILE TRANSFER  
DMTSML591E LINK linkid NOT IN HOLD STATUS  
DMTSML600I FILE spoolid FORWARD SPACED  
DMTSML610I LINK linkid TO SUSPEND FILE TRANSMISSION  
DMTSML611I LINK linkid FILE TRANSMISSION SUSPENDED  
DMTSML612E LINK linkid ALREADY IN HOLD STATUS  
DMTSML801I LINK linkid ERROR TRACE STARTED  
DMTSML802I LINK linkid TRACE STARTED  
DMTSML803I LINK linkid TRACE ENDED  
DMTSML810E LINK linkid TRACE ALREADY ACTIVE  
DMTSML811E LINK linkid TRACE NOT ACTIVE  
DMTSML901E INVALID SML MODE SPECIFIED -- LINK (linkid) NOT ACTIVATED  
DMTSML902E NON-SIGNON CARD READ ON LINK linkid  
DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID  
DMTSML905I SIGNON OF LINKID linkid COMPLETE  
DMTSML906E INVALID SML BUFFER PARAMETER -- LINK (linkid) NOT ACTIVATED  
DMTSML934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED  
DMTSML935E LINK (linkid) IN RJE MODE -- PRINT FILE (spoolid) PURGED





APPENDIX C. MESSAGE-TO-MODULE CROSS-REFERENCE

This appendix contains all the VM/370 message identifiers, listed in numerical order vertically. Use this appendix when you want to find out which modules issue a given message. Find the message number within its component code group (CP, CMS, or RSCS); all the message identifiers with the same number appear together.

<u>CP MESSAGES</u>			
	DMKCSU006E	DMKNET021E	DMKCSU029E
	DMKDIA006E	DMKNLD021E	DMKCSU029E
DMKCF001E	DMKMCC006E	DMKVDB021E	
	DMKNES006E		DMKCS0030E
	DMKNET006E	DMKCFD022E	DMKCS030E
DMKCFG002E		DMKCFG022E	DMKCSU030E
DMKCF002E	DMKNLD006E	DMKCPB022E	
DMKCF002E	DMKVDB006E	DMKCQG022E	DMKCSB031E
DMKMCC002E		DMKCQP022E	
DMKNES002E		DMKCSB022E	DMKCS032E
DMKNET002E	DMKCPV007E	DMKCS022E	DMKCSU032E
DMKNLD002E	DMKCSU007E	DMKDEF022E	
DMKTHI002E		DMKDIA022E	DMKCSB033E
DMKTRA002E	DMKCSU008E	DMKLNK022E	DMKCS033E
		DMKVDB022E	DMKCPV033E
DMKCSB003E	DMKCSU009E	DMKVMI022E	DMKNET033E
DMKCFG003E	DMKCSU009E		
DMKCF003E	DMKCSU010E	DMKVDB023E	DMKVCH034E
DMKCF003E	DMKCSU010E		DMKVDB034E
DMKCF003E	DMKCSU011E	DMKDEF024E	DMKCSU035E
DMKCF003E	DMKCSU012E	DMKDEF025E	DMKCSB036E
DMKCF003E	DMKCSU013E		
DMKCF003E	DMKCSU014E	DMKCSB026E	DMKCFD040E
DMKCF003E	DMKCSU015E	DMKCS026E	DMKCFG040E
DMKCF003E	DMKCSU016E	DMKCFD026E	DMKCF0040E
DMKCF003E	DMKCSU017E	DMKCF026E	DMKCPB040E
DMKCF003E	DMKCSU018E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU019E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU020E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU021E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU022E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU023E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU024E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU025E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU026E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU027E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU028E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU029E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU030E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU031E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU032E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU033E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU034E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU035E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU036E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU037E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU038E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU039E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU040E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU041E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU042E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU043E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU044E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU045E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU046E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU047E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU048E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU049E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU050E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU051E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU052E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU053E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU054E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU055E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU056E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU057E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU058E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU059E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU060E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU061E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU062E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU063E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU064E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU065E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU066E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU067E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU068E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU069E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU070E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU071E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU072E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU073E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU074E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU075E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU076E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU077E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU078E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU079E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU080E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU081E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU082E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU083E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU084E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU085E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU086E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU087E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU088E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU089E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU090E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU091E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU092E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU093E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU094E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU095E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU096E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU097E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU098E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU099E	DMKCF026E	DMKCPV040E
DMKCF003E	DMKCSU100E	DMKCF026E	DMKCPV040E

DMKCQP045E	DMKLNK104E	DMKCS0141E	DMKBLD200E
DMKCQR045E			
DMKDIA045E	DMKLNK105E	DMKCPS142E	DMKBLD201E
DMKMSG045E		DMKCSB142E	
DMKTHI045E	DMKLNK106E	DMKVDB142E	DMKBLD202E
DMKUSO045E			DMKCPV202E
DMKVDB045E	DMKLNK107E	DMKCF0143E	
		DMKCPS143E	DMKCFG203E
DMKCF0046E	DMKLNK108E	DMKNCC143E	
DMKCPV046E		DMKNLD143E	DMKCPV203E
DMKCSB046E	DMKLNK109E	DMKVDB143E	
DMKCSO046E			DMKCPV204E
DMKNCC046E	DMKLNK110E	DMKCPS144W	
DMKNES046E			DMKNCC211E
DMKNET046E	DMKLNK111E	DMKCSB148E	
DMKNLD046E			DMKNCC212E
DMKVDB046E	DMKLNK112E	DMKCDB160E	
		DMKCDS160E	DMKNCC213E
DMKDIA047E	DMKLNK113E	DMKCFD160E	
		DMKCPV160E	DMKNCC214E
DMKVCH048E	DMKLNK114E	DMKNES160E	
		DMKNET160E	DMKNCC215E
DMKCPS049E	DMKLNK115E		DMKNCC216E
DMKNES049E	DMKLOG115E	DMKCDS161E	
DMKNET049E		DMKVMA161E	DMKNCC217E
	DMKLNK116E		
DMKLOG050E		DMKCDS162E	DMKNCC218E
	DMKLNK117E		
DMKLOG051E		DMKCDS162W	DMKNON219I
	DMKVDB120E		
DMKLNK052E		DMKCDS163E	DMKNON220I
DMKLOG052E	DMKVDB121E		
		DMKCDS164E	DMKVMI230E
DMKCSP053E	DMKVDB122E	DMKCFD164E	
DMKCSU053E			DMKVMI231E
DMKLNK053E	DMKCPS123E	DMKCFG170E	
DMKLOG053E	DMKVDB123E	DMKNLD170E	DMKVMI232E
DMKLOG054E	DMKCPS124E	DMKCFG171E	DMKVMI233E
	DMKVDB124E	DMKNLD171E	
DMKDIA055E		DMKSN171E	DMKVMI234E
	DMKVDB125E		
DMKDIA056E		DMKCFG172E	DMKCFG300E
DMKMSG057W	DMKVDB126E		
		DMKCFG173E	DMKMID310E
DMKDIA058E	DMKVDB127E		
		DMKCFG174E	DMKSAV350W
DMKLOG059E	DMKVDB128E		
		DMKCF0175E	DMKSAV351W
DMKCDB060E	DMKVCH129E	DMKNES175E	
			DMKSAV352W
DMKCDB061E	DMKVCH130E	DMKCPV176E	
			DMKSAV353W
DMKLOG090E	DMKVCH132E	DMKCFG177E	
			DMKCKS400I
DMKDEF091E	DMKVDB133E	DMKCFG179E	DMKPGT400I
DMKLOG091E		DMKSN179E	
	DMKVDB134E		DMKCKS401I
DMKDEF092E		DMKTRA180W	DMKPGT401I
DMKLOG092E	DMKVDB135E		
		DMKVMA181E	DMKPTR410W
DMKLOG093E	DMKDEF136E		
		DMKTRA182E	DMKPAG415E
DMKDEF094E	DMKLNK137E		
		DMKCPS183E	DMKST424E
	DMKCF0140E		DMKACO425A
DMKDIA098E	DMKCPS140E	DMKCF0184E	
DMKNES098E	DMKCPV140E		DMKRS P426E
DMKNET098E	DMKCSB140E	DMKCF0184E	
	DMKCSO140E		DMKVS P427I
DMKLNK101W	DMKNCC140E	DMKCPI185E	
	DMKNES140E		DMKRS P428E
DMKLNK102W	DMKNET140E	DMKCF0186E	DMKRSP428E
	DMKNLD140E		
DMKLNK103W	DMKVDB140E	DMKCF0187E	

DMKRSP428E	DMKTAP502I	DMKGRF521I	DMKDDR704E
DMKVSP429I	DMKBSC502I	DMKRSE521I	DMKDDR705E
DMKVSP429I	DMKCNS502I	DMKTAP521I	
DMKRSP430A	DMKGRF502I	DMKTAP522I	DMKRG705I
	DMKRSE502I		
DMKRSP431A	DMKRSE503A	DMKTAP523I	DMKNES706E
		DMKRSE524I	DMKDIA707A
DMKRSP432A	DMKBSC503I		
	DMKCNS503I	DMKGRF525I	DMKDDR707E
DMKRSP433A	DMKDAS503I	DMKRSE525I	
	DMKGRF503I		DMKDDR708E
DMKRSP434A	DMKRSE503I	DMKBSC527I	
	DMKTAP503I	DMKCNS527I	DMKDDR709E
DMKCFG435E	DMKRSE504A		
		DMKBSC528I	DMKDDR710A
DMKCFG436E	DMKDAS504D	DMKCNS528I	
	DMKTAP504D		DMKDDR711R
DMKDSP450W		DMKGRF529I	
		DMKRSE529I	DMKDDR712E
DMKDSP451W	DMKBSC504I		
	DMKCNS504I	DMKIOP550E	DMKDDR713E
DMKDSP452W	DMKDAS504I		
	DMKGRF504I	DMKIOP551E	DMKDDR714E
DMKPRG453W	DMKRSE504I	DMKIOG551E	
DMKCNS454I			DMKDDR715E
	DMKRSE505A	DMKIOG552I	
DMKRGF454I			DMKDDR716R
DMKRNH454I	DMKDAS505D	DMKIOG553I	
	DMKTAP505D		DMKDDR717R
		DMKIOG558I	
DMKCNS455I	DMKBSC505I		DMKDDR718E
DMKRGF455I	DMKCNS505I	DMKVER575I	
	DMKDAS505I		DMKDDR719E
DMKVMA456W	DMKDAS506I	DMKCCH601I	
			DMKDDR720E
DMKNLD460E	DMKDAS507D	DMKCCH602I	
		DMKCCH603W	DMKDDR721E
DMKNLD461R			
	DMKDAS508I	DMKCCH604I	DMKDDR722E
DMKRNH462I	DMKRSE508I		
		DMKCCH605I	DMKDDR723E
DMKRNH463I	DMKDAS509I		
		DMKCCH606I	DMKDDR724E
DMKRNH464I	DMKTAP510I		
		DMKMCH610I	DMKDDR725R
DMKRNH465I	DMKTAP511I		
		DMKMCH611I	DMKFMT730E
DMKVDS465W	DMKTAP512I		
		DMKMCH612W	DMKFMT732E
DMKCQP466I	DMKDAS513I		
	DMKTAP513I	DMKMCH613I	DMKFMT733E
DMKNLD469E			
	DMKDAS514D	DMKMCH614I	DMKFMT734E
DMKNLD470E			
	DMKBSC516I	DMKMCH615I	DMKFMT735E
DMKNLD471E	DMKDAS516I		
	DMKTAP516I	DMKMCH616I	DMKFMT736E
DMKUDR475I			
	DMKDAS517E	DMKMCH617I	DMKFMT737E
DMKBSC500I			
DMKCNS500I	DMKBSC517I	DMKMCH618I	DMKFMT738A
DMKDAS500I	DMKTAP517I		
DMKGRF500I		DMKMCH619I	DMKDIR751E
DMKRSE500I	DMKDAS518I		
DMKTAP500I	DMKTAP518I	DMKDDR700E	DMKDIR752E
DMKBSC501A	DMKTAP519I	DMKDDR701E	DMKDIR753E
DMKDAS501A			
DMKRSE501A	DMKRSE520A	DMKDDR702E	DMKDIR754E
DMKTAP501A			
DMKCNS501I	DMKBSC520I	DMKDDR703E	DMKDIR755E
DMKRSE501I	DMKDAS520I		
	DMKRSE520I		DMKDDR756E
DMKDAS502I	DMKTAP520I		

DMKDIR756E	DMKEDM853I	DMKDMP906W	DMKWRM921W
DMKFMT756E	DMKRND853I		
DMKDIR757E	DMKEDM860I	DMKDMP907W	DMKCKP922W
	DMKRND860I		
DMKDIR758E	DMKEDM861E	DMKDMP908I	DMKCPI950A
	DMKRND861E		
DMKDIR760E		DMKDMP909W	DMKCPI951I
DMKDIR761E	DMKEDM863E	DMKCKP910W	DMKCPI952I
	DMKRND863E		
DMKDIR762E		DMKCKP911W	DMKCPI953I
DMKDIR763E	DMKEDM864I	DMKCKS912W	DMKCPI954E
	DMKRND864I	DMKWRM912W	
DMKDIR764E	DMKCKP900W		DMKCPI955W
DMKEDM850I	DMKCKP901W	DMKCKS915E	DMKDAS956A
DMKRND850I			
	DMKCKP902W	DMKCKS916E	DMKCPI957I
DMKEDM851I			
DMKRND851I	DMKCKS903W	DMKCKS917E	DMKCKP960I
			DMKCPI960I
DMKEDM852I	DMKWRM904W	DMKCKS919E	
DMKRND852I			
	DMKDMP905W	DMKWRM920I	DMKCKP961W
			DMKCPI961W



DMSUPD037E	DMSCMP054E	DMSCPY067E	DMSINI079E
DMSXCP037E	DMSCPY054E		
	DMSDSK054E	DMSCPY068E	DMSINI080E
DMSARX038E	DMSEDI054E		
	DMSERS054E	DMSARE069E	DMSINI081E
DMSPR039E	DMSGRN054E	DMSASN069E	
DMSPUN039E	DMSPR054E	DMSBOP069E	DMSINI082E
DMSTYP039E	DMSPUN054E	DMSDSL069E	
	DMSRDC054E	DMSERS069E	DMSINI083E
DMSMOD040E	DMSRNM054E	DMSFOR069E	
	DMSSTR054E	DMSLDS069E	DMSMOD084E
DMSMVE041E	DMSSTT054E	DMSLST069E	
	DMSTYP054E	DMSSTT069E	DMSDLB086E
DMSCPY042E		DMSUPD069E	DMSMVE086E
DMSRDC042E	DMSLIO055E	DMSVGN069E	
DMSTPE042E			DMSBOP086W
	DMSLBM056E	DMSFLD069I	
DMSBOP043E	DMSLBT056E		DMSASN087E
DMSCLS043E	DMSLIO056E	DMSAMS070E	
DMSTPE043E	DMSNCP056E	DMSARE070E	DMSBOP088E
DMSXCP043E	DMS SYN056E	DMSARX070E	DMSCLS088E
	DMSZAP056E	DMSASN070E	DMSPDP088E
DMSEDI044E		DMSDLB070E	
DMSPR044E	DMSLBT056W	DMSDLK070E	DMSBOP089E
DMSPUN044E		DMSDSK070E	DMSCLS089E
	DMSSTMA057E	DMSDSL070E	DMSOPL089E
DMSNCP045E	DMSTPE057E	DMSDSV070E	
		DMSERS070E	DMSASN090E
DMSDSL046E	DMSBOP058E	DMSERV070E	
DMSLBM046E	DMSCLS058E	DMSFET070E	DMSDOS091E
DMSLBT046E	DMSTPD058E	DMSFLD070E	
	DMSTPE058E	DMSFOR070E	DMSDOS092E
DMSDSK047E		DMSGND070E	
DMSDSL047E	DMSACC059E	DMSIFC070E	DMSDOS093E
DMSDSV047E		DMSLBM070E	
DMSGLB047E	DMSACC060E	DMSLKD070E	DMSDOS094E
DMSLBM047E		DMSLLU070E	
DMSLBT047E	DMSSET061E	DMSLST070E	DMSCMS095E
DMSOVR047E		DMSMDP070E	DMSDOS095E
DMSQRY047E	DMSCMP062E	DMSMOD070E	DMSDSV095E
DMSSET047E		DMSMVE070E	DMSGEN095E
DMSTPE047E	DMSCPY062E	DMSOPT070E	
DMSZAP047E	DMSDSK062E	DMSPR070E	DMSDOS096S
	DMSPR062E	DMSPRV070E	
DMSACC048E	DMS PUN062E	DMSQRY070E	DMSPRV097E
DMSARE048E	DMSRDC062E	DMSRRV070E	DM SRRV097E
DMSCPY048E	DMSRNM062E	DMSRUN070E	DMSRRV097E
DMSDLB048E	DMSSTR062E	DMSSET070E	
DMSDSK048E	DMSSTT062E	DMSSTR070E	DMSDSL098E
DMSERS048E	DMSTYP062E	DMS SRV070E	DM SFET098E
DMSFOR048E		DMS SSK070E	DMSPRV098E
DMSGRN048E	DMSCPY063E	DMSSTT070E	DMSRRV098E
DMSLDS048E	DMSRRT063E	DMSTMA070E	DMSRRV098E
DMSLST048E		DMSTPE070E	
DMSMVE048E	DMSCPY064E	DMSUPD070E	DMSITS098S
DMSPR048E		DMSVPD070E	
DMSRUN048E	DMSAMS065E	DMSZAP070E	DMSINS098W
DMSSET048E	DMSASN065E		DM SSET098W
DMSSTT048E	DMSCPY065E	DMSERS071E	
DMSTPE048E	DMSDLB065E		DMSASN099E
DMSUPD048E	DMSDSV065E	DMS EXT072E	DMSDLK099E
	DMSFLD065E		DM SD SV099E
DMSTYP049E	DMSUPD065E	DMSMVE073E	DMSERV099E
			DM SFET099E
DMSASN050E	DMSAMS066E	DMSARX074E	DMSLIO099E
DMSDLB050E	DMSASN066E		DMSLLU099E
DMSFLD050E	DMSCPY066E	DMSARX075E	DM SOPT099E
DMSSET050E	DMSDLB066E	DMSMVE075E	DMSPRV099E
	DMSDSV066E		DM SQRV099E
DMSRNM051E	DMSFLD066E	DMSEDI076E	DMSRRV099E
	DM SIFC066E		DM SSET099E
DMSARX052E	DMSLST066E	DMSDSK077E	DMSRRV099E
	DMS SYN066E		
DMSRRT053E	DMSUPD066E	DMSDSK078E	DMSNCP099W
		DMSGRN078E	

DMSBTB100E	DMSAMS109S	DMSSVT121S	DMSABN150W
DMSINS100W	DMSBWR109S	DMSITS122S	DMSABN152T
DMSSET100W	DMSDLB109S	DMSPR123S	DMSABN153W
DMSBTB101E	DMSFCH109S	DMSD124S	DMSITS154T
DMSCPY101S	DMSLBM109S	DMSRDC124S	DMSABN155T
DMSCPY102S	DMSLIO109S	DMSFOR125S	DMSCPY156E
DMSCPY103S	DMSMOD109S	DMSFOR126S	DMSCPY157E
DMSCMP104S	DMSOVR109S	DMSMVE127S	DMSLBM157S
DMSDLK104S	DMSMN109S	DMSMVE128S	DMSOPL158E
DMSDSK104S	DMSOP109S	DMSMVE129S	DMSFRE159T
DMSDSL104S	DMSSTG109S	DMSMVE130S	DMSDOS160S
DMSEDI104S	DMSTMA109S	DMSINI131S	DMSFRE160T
DMSFCH104S	DMSTPD109S	DMSEDI132S	DMSXCP161S
DMSIFC104S	DMSVIB109S	DMSM133S	DMSFRE161T
DMSLBM104S	DMSVIP109S	DMSSTG133S	DMSFRE162T
DMSLEBT104S	DMSVPD109S	DMSITS134S	DMSFRE163T
DMSLIO104S	DMSERS109T	DMSITS135S	DMSFRE164T
DMSMOD104S	DMSFNS109T	DMSAMS136S	DMSFRE165T
DMSOVR104S	DMSGEN110E	DMSITS136T	DMSFRE166T
DMSPR104S	DMSGEN110E	DMSTMA137S	DMSFRE167S
DMSPT104S	DMSMA110S	DMSITS137T	DMSFRE167T
DMSPT104S	DMSTPD110S	DMSMA138S	DMSLIO168S
DMSRT104S	DMSTPE110S	DMSITS138T	DMSLIO169S
DMSYN104S	DMSVPD110S	DMSTMA139S	DMSBWR170S
DMSTPE104S	DMSCMS111E	DMSITS139T	DMSCIT171T
DMSTYP104S	DMSGEN111E	DMSD140S	DMSCRD171T
DMSUPD104S	DMSTPE111S	DMSITS140T	DMSCWR171T
DMSXCP104S	DMSACC112S	DMSCMS141S	DMSCPY172E
DMSZAP104S	DMSACC113S	DMSGEN141S	DMSCPY173E
DMSBTP105E	DMSAMS113S	DMSITP141T	DMSUPD174W
DMSDLK105S	DMSASN113S	DMSSET142S	DMSUPD176W
DMSDSK105S	DMSBOP113S	DMSITP142T	DMSUPD177I
DMSDSL105S	DMSCIO113S	DMSEDI143S	DMSUPD178I
DMSDSV105S	DMSCLS113S	DMSITP143T	DMSUPD179E
DMSEDI105S	DMSFCH113S	DMSEDI144S	DMSCMP179I
DMSLBM105S	DMSFOR113S	DMSITP144T	DMSUPD180W
DMSLEBT105S	DMSIFC113S	DMSCIO145S	DMSUPD181E
DMSLIO105S	DMSPRV113S	DMSPIO145S	DMSUPD182W
DMSLLU105S	DMSRRV113S	DMSABN148T	DMSUPD183E
DMSLST105S	DMSSRV113S	DMSABN149T	
DMSMOD105S	DMSTPE113S		
DMSPRV105S	DMSVPD113S		
DMSRDC105S	DMSXCP113S		
DMSRRV105S	DMSMOD114E		
DMSSRT105S	DMSFOR114S		
DMSSRV105S	DMSFCH115E		
DMSTMA105S	DMSTPE115S		
DMSTPD105S	DMSLIO116S		
DMSTPE105S	DMSMOD116S		
DMSUPD105S	DMSEDI117S		
DMSVPD105S	DMSDSK118S		
DMSXCP105S	DMSPUN118S		
DMSBTP106E	DMSSVT119S		
DMSLBT106S	DMSSCT120S		
DMSBTP107E	DMSSVT120S		
DMSBWR107S	DMSDOS121S		
DMSBTP108E			
DMSGLB108S			
DMSBTP109E			
DMSACC109S			



DMSUPD184W	DMSSTT227I	DMSVGN361E	DMSRRV411S
DMSUPD185W	DMSLDS227W	DMSVGN361I	DMSSRV411S
DMSUPD186W	DMSAMS228E	DMSVGN361R	DMSXCP411S
DMSUPD187E	DMSSTT228I	DMSSSK362E	DMSCMS412S
DMSZAP190W	DMSSTT229E	DMSVGN362I	DMSBOP413S
DMSZAP191W	DMSLDS229I	DMSVGN362R	DMSDOS413S
DMSZAP192W	DMSVIP230E	DMSSSK363E	DMSCPY601R
DMSZAP193W	DMSACC230W	DMSVGN363I	DMSCPY602R
DMSSRV194S	DMSLDS231E	DMSVGN363R	DMSFOR603R
DMSZAP194W	DMSLDS233I	DMSSSK364E	DMSRRT604R
DMSZAP195W	DMSACC240S	DMSVGN364I	DMSFOR605R
DMSZAP200W	DMSDLK245S	DMSVGN364R	DMSINI606R
DMSLIO201W	DMSDSV245S	DMSSSK365E	DMSINI607R
DMSLIO202W	DMSZAP246W	DMSVGN365I	DMSINI608R
DMSLIO203W	DMSZAP247W	DMSVGN365R	DMSINI609R
DMSDSK205W	DMSZAP248W	DMSASN366E	DMSINI610R
DMSRDC205W	DMSUPD299E	DMSVGN366I	DMSINI611R
DMSLIO206W	DMSUPD300E	DMSVGN366R	DMSINI612R
DMSUPD207W	DMSDLB301E	DMSVGN367I	DMSINI615R
DMSZAP208E	DMSBOP302E	DMSVDP367I	DMSRDC701I
DMSCMP209W	DMSDLB302E	DMSAMS367R	DMSTPE701I
DMSDLK210E	DMSLLU303E	DMSVGN368I	DMSRDC702I
DMSZAP210E	DMSDLB304E	DMSVDP368I	DMSTPD703I
DMSUPD210W	DMSUPD304I	DMSVGN368R	DMSFLD704I
DMSRRT212E	DMSDLB305E	DMSVGN369E	DMSFOR705I
DMSDSL213W	DMSDLB306E	DMSVGN369R	DMSMVE706I
DMSLBM213W	DMSDLB307E	DMSVGN380R	DMSTPD707I
DMSLET213W	DMSDLB308E	DMSVGN381R	DMSMVE708I
DMSFOR214W	DMSDLB320I	DMSVGN382R	DMSFET710I
DMSERR215T	DMSDLB321I	DMSVGN383R	DMSSYN711I
DMSDLB220R	DMSDLB322I	DMSVDP383R	DMSSYN712I
DMSFLD220R	DMSDLB323I	DMSBOP400S	DMSCMS715I
DMSLDS220R	DMSDLB330R	DNSSSET400S	DMSGEN715I
DMSDLB221E	DMSDLB331R	DMSSSK400S	DMSCPY721I
DMSFLD221E	DMSSET333E	DMSVIB400S	DMSAMS722I
DMSLDS221E	DMSVGN360E	DMSBOP401S	DMSACC723I
DMSLDS222E	DMSVGN360I	DMSDOS401S	DMSACC724I
DMSLDS223E	DMSVGN360R	DNSSSET401S	DMSACC725I
DMSFLD224E	DMSVGN360R	DMSVIB401S	DMSACC726I
DMSMVE225I	DMSVGN360R	DMSBOP410S	DMSDBG728I
DMSLDS226E	DMSVGN360R	DNSSSET410S	
DMSMVE226I	DMSVGN360R	DMSSSK410S	
		DMSVIB410S	
		DMSFCH411S	
		DMSPRV411S	

DMSFOR732I	DMSFCH777S	DMSREA830E	DMSDI0905S
DMSFOR733I	DMSIFC825E	DMSIFC831E	DMSLEM907T
DMSRDC738I	DMSIFC826E	DMSCPY901T	DMSLI0907T
DMSLIO740I	DMSIFC827I	DMSINI902T	DMSFNS908T
DMSZAP750I	DMSIFC828I	DMSCPY903T	DMSFNS909T
DMSZAP751I	DMSIFC829W	DMSCPY904T	DMSRUN999E

RSCS MESSAGES

	DMTCMX203E	DMTCMX542E	DMTCMX672I
DMTREG000I	DMTCMX204E	DMTCMX543E	DMTCMX673I
DMTCMX001I	DMTCMX205E	DMTCMX544E	DMTCMX700I
DMTREG002I	DMTCMX206E	DMTCMX550I	DMTCMX701E
DMTCMX003I	DMTCMX207E	DMTCMX551E	DMTCMX702E
DMTREG091T	DMTCMX208E	DMTCMX552E	DMTCMX703E
DMTAXS101I	DMTCMX300I	DMTCMX560I	DMTCMX704E
DMTAXS102I	DMTCMX301E	DMTCMX561E	DMTCMX705E
DMTAXS103E	DMTCMX302E	DMTNPT570I	DMTCMX706E
DMTAXS104I	DMTCMX303E	DMSML570I	DMTCMX707E
DMTAXS105I	DMTCMX304E	DMTNPT571E	DMTCMX708E
DMTAXS106I	DMTINI402T	DMSML571E	DMTCMX709E
DMTAXS107I	DMTINI406R	DMTNPT580I	DMTCMX710E
DMTAXS108E	DMTINI407R	DMSML580I	DMTCMX750E
DMTNPT108E	DMTINI409R	DMTNPT581E	DMTCMX751I
DMSML108E	DMTINI410R	DMSML581E	DMTCMX752I
DMTNPT141I	DMTINI431S	DMTNPT590I	DMTNPT801I
DMSML141I	DMTINI479E	DMSML590I	DMSML801I
DMTNPT142I	DMTINI480E	DMTNPT591E	DMTNPT802I
DMSML142I	DMTINI481E	DMSML591E	DMSML802I
DMTNPT143I	DMTINI482E	DMTNPT600I	DMTNPT803I
DMSML143I	DMTINI483E	DMSML600I	DMSML803I
DMTNPT144I	DMTNPT510I	DMTNPT610I	DMTNPT810E
DMSML144I	DMSML510I	DMSML610I	DMSML810E
DMTNPT145I	DMTNPT511E	DMTNPT611I	DMTNPT811E
DMSML145I	DMSML511E	DMSML611I	DMSML811E
DMTNPT146I	DMTAXS640I	DMTNPT612E	DMTNPT811E
DMSML146I	DMTCMX651I	DMSML612E	DMSML811E
DMTNPT147I	DMTCMX652I	DMTAXS640I	DMTSML901E
DMSML147I	DMTCMX652I	DMTCMX651I	DMTNPT902E
DMTNPT148I	DMTAXS520I	DMTCMX652I	DMTSML902E
DMSML148I	DMTAXS521I	DMTCMX653I	DMTNPT903E
DMTNPT149I	DMTAXS522I	DMTCMX654I	DMSML903E
DMSML149I	DMTAXS523I	DMTCMX654I	DMTNPT904E
DMTNPT160I	DMTAXS524E	DMTCMX660I	DMTNPT905I
DMSML160I	DMTAXS525E	DMTCMX661I	DMSML905I
DMTNPT170I	DMTAXS526E	DMTCMX662I	DMTSML906E
DMSML170I	DMTAXS526E	DMTCMX663I	DMTNPT907E
DMTNPT190E	DMTNPT530I	DMTCMX664E	DMTNPT934E
DMSML190E	DMTCMX540I	DMTCMX670I	DMSML934E
DMTCMX200I	DMTCMX541I	DMTCMX671I	DMTSML935E
DMTCMX201E			DMTNPT936E
DMTCMX202E			

## APPENDIX D. MESSAGE TEXT-TO-MESSAGE IDENTIFIER CROSS-REFERENCE

This appendix contains the first lines of all the VM/370 messages, grouped by CM, CMS, and RSCS and organized in alphabetical order by message text. If a message can start with different words (such as CON|PRT|PUN|, the message is listed separately for each word. Since a message starting with a lowercase word such as nnnnk, type, and userid will have variable information inserted, such messages are

listed prior to messages starting with uppercase letters. If you run your virtual machine without having issued the CP command SET EMSG ON, any messages that are displayed will appear with no message identifier, only text. Use this appendix to look up the text of the message and find its identifier, so that you can find the description of the message in the body of the book.

### CP MESSAGES

```
DMKCFC001E ?CP: command

DMKCPI952I nnnnk SYSTEM STORAGE
| DMKTRA182E (reserved for IBM use)
DMKVDB122E type raddr ALREADY ATTACHED TO userid

| DMKCF0140E type raddr ATTACHED TO userid
DMKCPS140E type raddr ATTACHED TO userid
DMKCPV140E type raddr ATTACHED TO userid
| DMKCSB140E type raddr ATTACHED TO userid
DMKCSO140E type raddr ATTACHED TO userid
DMKMCC140E type raddr ATTACHED TO userid
DMKNET140E type raddr ATTACHED TO userid
DMKVDB140E type raddr ATTACHED TO userid

| DMKCSB148E type raddr BUFFER LOAD name FAILED

DMKCPS049E type raddr IN USE
DMKNES049E type raddr IN USE
DMKNET049E type raddr IN USE

| DMKCF0143E type raddr IN USE BY SYSTEM
DMKCPS143E type raddr IN USE BY SYSTEM
DMKMCC143E type raddr IN USE BY SYSTEM
DMKVDB143E type raddr IN USE BY SYSTEM

DMKCSO141E type raddr NOT ACTIVE

DMKVDB121E type raddr NOT ATTACHED TO userid
DMKVDB120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED

DMKCPS142E type raddr NOT DRAINED
| DMKCSB142E type raddr NOT DRAINED
DMKVDB142E type raddr NOT DRAINED

| DMKCF0046E type raddr OFFLINE
DMKCPV046E type raddr OFFLINE
| DMKCSB046E type raddr OFFLINE
DMKCSO046E type raddr OFFLINE
DMKMCC046E type raddr OFFLINE
DMKNLD046E type raddr OFFLINE
DMKVDB046E type raddr OFFLINE

DMKCPS144W type vaddr RESET BY userid

DMKDIA047E userid vaddr DOES NOT EXIST

DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED
DMKLNK109E userid vaddr NOT LINKED; INVALID LINK DEVICE
DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD
DMKLNK111E userid vaddr NOT LINKED; NO READ PASSWORD
DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD
DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY
DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT
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DMKLNK104E userid vaddr NOT LINKED; R/O BY {nnn USERS|userid}
DMKLNK105E userid vaddr NOT LINKED; R/W BY {nnn USERS|userid}
DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY {nnn USERS|userid}
DMKLNK108E userid vaddr NOT LINKED; VOLID valid NOT MOUNTED

DMKCSU053E userid NOT IN CP DIRECTORY
DMKCSU053E userid NOT IN CP DIRECTORY
DMKLNK053E userid NOT IN CP DIRECTORY
DMKLOG053E userid NOT IN CP DIRECTORY

| DMKCF0045E userid NOT LOGGED ON
DMKCPV045E userid NOT LOGGED ON
DMKCQG045E userid NOT LOGGED ON
DMKCQP045E userid NOT LOGGED ON
DMKCQR045E userid NOT LOGGED ON
DMKDIA045E userid NOT LOGGED ON
DMKMSG045E userid NOT LOGGED ON
DMKTHI045E userid NOT LOGGED ON
DMKUSO045E userid NOT LOGGED ON
DMKVDB045E userid NOT LOGGED ON

DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|WNG OFF}

DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr

DMKCPI950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED

DMKLOG059E AUTOLOG FAILED FOR userid - {IPL MISSING|IPL FAILED|ACCOUNTING ERROR}
DMKLOG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

| DMKCSB043E BUFFER name DOES NOT EXIST
| DMKCSB031E BUFFER MISSING OR INVALID

DMKVCH132E CHANNEL x ALREADY DEFINED BY userid
DMKVCH129E CHANNEL x DEVICES IN USE
DMKVCH048E CHANNEL x DOES NOT EXIST
DMKVCH130E CHANNEL x NOT ATTACHED TO userid

DMKCCH605I CHANNEL CHECK RECORDING FAILURE

DMKCCH601I CHANNEL CONTROL CHECK DEV xxx ; USER 'userid'

DMKCCH604I CHANNEL ERROR DEV XXX; USER userid MACHINE RESET
DMKCCH606I CHANNEL ERROR; OPERATION TERMINATED
DMKCCH603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM

DMKVCH034E CHANNEL MISSING OR INVALID
DMKVDB034E CHANNEL MISSING OR INVALID

DMKCKS919E CHECKPOINT CYLINDER INVALID; CHECKPOINTING TERMINATED
DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START

DMKCQG028E CLASS MISSING OR INVALID
DMKCQR028E CLASS MISSING OR INVALID
DMKCSO028E CLASS MISSING OR INVALID
DMKCSU028E CLASS MISSING OR INVALID
DMKCSU028E CLASS MISSING OR INVALID

| DMKVSP429I CON vaddr SPOOL ERROR; FILE PURGED
| DMKVSP427I CON vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED

DMKCFG013E CONFLICTING OPTION - option
| DMKCF0013E CONFLICTING OPTION - option
| DMKCSB013E CONFLICTING OPTION - option
DMKCSO013E CONFLICTING OPTION - option
DMKCSU013E CONFLICTING OPTION - option
DMKCSU013E CONFLICTING OPTION - option
DMKTRA013E CONFLICTING OPTION - option

DMKCNS502I CONS 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKCNS500I CONS 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKCNS504I CONS 'addr' DATA CK CMD='cm'
DMKCNS503I CONS 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKCNS501I CONS 'addr' INT REQ
DMKCNS527I CONS 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

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DMKCNS505I CONS 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS528I CONS 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKPAG415E CONTINUOUS PAGING ERRORS FROM DASD xxx

DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR

DMKCS0030E COPIES MISSING OR INVALID
DMKCSP030E COPIES MISSING OR INVALID
DMKCSU030E COPIES MISSING OR INVALID

| DMKCPI185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy
| DMKCF0186E CP ASSIST NOT AVAILABLE

DMKVMA456W CP ENTERED; name SHARED PAGE hexloc ALTERED
DMKDSP450W CP ENTERED; DISABLED WAIT PSW 'psw'
DMKDSP452W CP ENTERED; EXTERNAL INTERRUPT LOOP
DMKDSP451W CP ENTERED; INVALID PSW 'psw'
DMKPTR410W CP ENTERED; PAGING ERROR
DMKPRG453W CP ENTERED; PROGRAM INTERRUPT LOOP

DMKCPI951I CP VOLID volid NOT MOUNTED

DMKDIA058E CTCA vaddr BUSY ON userid

DMKRNH464I CTLR 'raddr' CC=3; DEPRESS 370X LOAD BUTTON
DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS

DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE

DMKNLD470E CTLR raddr {LOAD|DUMP} FAILED: PAGING I/O ERROR
DMKNLD460E CTLR raddr {LOAD|DUMP} FAILED: PROGRAM CHECK
DMKNLD471E CTLR raddr {LOAD|DUMP} FAILED: UNRECOVERABLE I/O ERROR

DMKNES140E CTLR raddr ATTACHED TO userid
DMKNLD140E CTLR raddr ATTACHED TO userid

DMKNLD469E CTLR raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE
DMKVDS465W CTLR raddr EMULATOR LINES IN USE BY SYSTEM
DMKNLD143E CTLR raddr IN USE BY SYSTEM
DMKNLD461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE:
DMKRNH462I CTLR raddr UNIT CHECK; IPL REQUIRED

DMKDEF024E CYLS MISSING OR INVALID

DMKDAS514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense'
DMKDAS516I DASD 'addr' BAD SENSE CMD='cm' SNS='sense'
DMKDAS502I DASD 'addr' BUSOUT CK CMD='cm' SNS='sense'
DMKDAS520I DASD 'addr' CHAN ERROR CMD='cm' SNS='sense'
DMKDAS500I DASD 'addr' CMD REJECT CMD='cm' SNS='sense'
DMKDAS504D DASD 'addr' DATA CK CMD='cm' SNS='sense'
DMKDAS504I DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID='userid' BBCCHH='bbcchh'
DMKDAS503I DASD 'addr' EQUIP CK CMD='cm'
DMKDAS513I DASD 'addr' FILE PROT CMD='cm' SNS='sense'
DMKDAS501A DASD 'addr' INT REQ CMD='cm'
DMKDAS517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense'
DMKDAS505D DASD 'addr' OVERRUN CK CMD='cm' SNS='sense'
DMKDAS505I DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS508I DASD 'addr' PERM ERROR CMD='cm' SNS='sense'
DMKDAS518I DASD 'addr' RECV ERROR CMD='cm' SNS='sense'
DMKDAS507D DASD 'addr' SEEK CK CMD='cm' SNS='sense'
DMKDAS506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense'
DMKDAS509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense'

DMKDAS956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

DMKCPS123E DASD raddr CP OWNED
DMKVDB123E DASD raddr CP OWNED

DMKVDB128E DASD raddr ERROR READING ALLOCATION RECORD
DMKVDB126E DASD raddr ERROR READING VOLID

DMKCPS124E DASD raddr IN USE BY nnn USERS
DMKVDB124E DASD raddr IN USE BY nnn USERS

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DMKVDB133E DASD raddr NOT READY

DMKSAV351W DASD raddr SYSRES NOT READY
DMKSAV350W DASD raddr SYSRES VOLID NOT aaaaaa

DMKVDB125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM
DMKVDB127E DASD raddr VOLID volid DOES NOT MATCH
DMKCPI954E DASD raddr VOLID volid NOT MOUNTED; DUPLICATE OF DASD raddr

DMKLNK101W DASD vaddr FORCED R/O; R/O BY {nnn USERS|userid}
DMKLNK102W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}
DMKLNK103W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}; R/O BY {nnn USERS|userid}

DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKLOG091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE

DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED

DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2.

DMKMID310E DATE date INVALID; NOT CHANGED

DMKCFD040E DEV addr DOES NOT EXIST
DMKCFG040E DEV addr DOES NOT EXIST
DMKCF0040E DEV addr DOES NOT EXIST
DMKCPB040E DEV addr DOES NOT EXIST
DMKCP040E DEV addr DOES NOT EXIST
DMKCPV040E DEV addr DOES NOT EXIST
DMKQ040E DEV addr DOES NOT EXIST
DMKQP040E DEV addr DOES NOT EXIST
DMKCSB040E DEV addr DOES NOT EXIST
DMKCS040E DEV addr DOES NOT EXIST
DMKCSPO40E DEV addr DOES NOT EXIST
DMKCS040E DEV addr DOES NOT EXIST
DMKDEF040E DEV addr DOES NOT EXIST
DMKDIA040E DEV addr DOES NOT EXIST
DMKMCC040E DEV addr DOES NOT EXIST
DMKNES040E DEV addr DOES NOT EXIST
DMKNET040E DEV addr DOES NOT EXIST
DMKNLD040E DEV addr DOES NOT EXIST
DMKVDB040E DEV addr DOES NOT EXIST

DMKDDR710A DEV cuu INTERVENTION REQUIRED
DMKFMT738A DEV cuu INTERVENTION REQUIRED

DMKDDR704E DEV cuu NOT OPERATIONAL
DMKDIR754E DEV cuu NOT OPERATIONAL
DMKFMT730E DEV cuu NOT OPERATIONAL

DMKRNH454I DEV rid DISABLED
DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNES046E DEV rid OFFLINE
DMKNET046E DEV rid OFFLINE
DMKNES046E DEV type raddr OFFLINE
DMKNET046E DEV type raddr OFFLINE

DMKDEF092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE
DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY

DMKCSU035E DEVICE TYPE MISSING OR INVALID

DMKDIA707A DIAL FUNCTION NOT AVAILABLE

DMKDIR762E DIRECTORY STATEMENT MISSING

DMKCSPO32E DIST CODE MISSING OR INVALID
DMKCSU032E DIST CODE MISSING OR INVALID

DMKCDB061E DUMP FAILED; VIRTUAL PRINTER ERROR
DMKCDB060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE
DMKEDM861E DUMP FILE 'filename' NOT FOUND

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DMKRND861E DUMP FILE 'filename' NOT FOUND

DMKDIR758E DUPLICATE UNIT DEFINITION

DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKCKS916E ERROR ALLOCATING SPOOL FILE BUFFERS
DMKDDR720E ERROR IN routine
DMKDIR764E ERROR IN routine
DMKLNK052E ERROR IN CP DIRECTORY
DMKLOG052E ERROR IN CP DIRECTORY
DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKSAV352W FATAL DASD I/O ERROR
DMKFMT735E FATAL DASD IO ERROR

DMKEDM860I FATAL I/O ERROR READING DUMP
DMKRND860I FATAL I/O ERROR READING DUMP
DMKEDM852I FATAL I/O ERROR WRITING DUMP
DMKRND852I FATAL I/O ERROR WRITING DUMP
DMKIOG558I FATAL I/O ERROR; ERROR RECORDING DISABLED

DMKUDR475I FATAL IO ERROR TRYING TO READ DIRECTORY
| DMKCF0175E FAVORED ALREADY IN USE BY userid

DMKCSP029E FNAME FTYPE MISSING OR INVALID
DMKCSU029E FNAME FTYPE MISSING OR INVALID

DMKIOG552I FORMATTING {I/O|MCH} ERROR RECORDING AREA

DMKGRF502I GRAF 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF500I GRAF 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw'
DMKGRF504I GRAF 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF503I GRAF 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF525I GRAF 'addr' FORMAT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF521I GRAF 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw'
DMKGRF529I GRAF 'addr' PARITY CK CMD='cm' SNS='sense' CSW='csw'

DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE
DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE
DMKCFD160E HEXLOC hexloc EXCEEDS STORAGE
DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE
DMKNES160E HEXLOC hexloc EXCEEDS STORAGE
DMKNET160E HEXLOC hexloc EXCEEDS STORAGE
DMKCDS164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKCFD164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

DMKCDB033E HEXLOC MISSING OR INVALID
DMKCDS033E HEXLOC MISSING OR INVALID
DMKCPV033E HEXLOC MISSING OR INVALID
DMKNET033E HEXLOC MISSING OR INVALID
| DMKMCH618I INSTRUCTION RETRY NOW IN {RECORD|QUIT} MODE

DMKVER575I I/O ERROR ADD=raddr, USERID= userid
| DMKIOG553I I/O ERROR RECORDING AREA CLEARED; USER 'userid'
| DMKIOF551E I/O ERROR RECORDING AREA FULL; RUN CPEREPI
| DMKIOG551E I/O ERROR RECORDING AREA FULL; RUN CPEREPI
| DMKIOF550E I/O ERROR RECORDING AREA 90 PERCENT FULL; RUN CPEREPI
DMKRG705I I/O ERROR RESID=resource id STATUS=status LINE=addr

| DMKCSB036E INDEX MISSING OR INVALID

DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP
DMKDDR700E INPUT UNIT IS NOT A CPVOL

DMKCPI955W INSUFFICIENT STORAGE FOR VM/370

DMKCCH602I INTERFACE CONTROL CHECK DEV xxx; USER 'userid'

DMKCFG436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

| DMKCF0006E INVALID DEVICE TYPE - addr
DMKCF0006E INVALID DEVICE TYPE - addr
DMKCPB006E INVALID DEVICE TYPE - addr

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DMKCD012E INVALID PSW - psw  
 DMKCP012E INVALID PSW - psw  
  
 DMKCDB009E INVALID RANGE - range  
 DMKCPV009E INVALID RANGE - range  
 DMKNES009E INVALID RANGE - range  
 DMKNET009E INVALID RANGE - range  
  
 DMKCDB010E INVALID REGISTER - register  
 DMKCD010E INVALID REGISTER - register  
  
 DMKCSU008E INVALID SPOOLID -spoolid  
  
 DMKCPV007E INVALID USERID - userid  
 DMKCSU007E INVALID USERID - userid  
  
 DMKFMT736E IO ERROR cuu CCHHR = cchhr SENSE = sense  
 DMKDDR705E IO ERROR cuu CSW csw SENSE sense  
 DMKDIR755E IO ERROR cuu CSW csw SENSE sense  
  
 DMKVMI233E IPL OVERLAY ERROR  
 DMKVMI234E IPL SENSE ERROR  
 DMKVMI230E IPL SIO ERROR  
 DMKVMI231E IPL TIO ERROR  
 DMKVMI232E IPL UNIT ERROR; CSW csw SNS sense  
  
 DMKBSC516I LINE 'addr' BAD SENSE CMD='cm'  
 DMKBSC502I LINE 'addr' BUSOUT CK CMD='cm'  
 DMKCNS455I LINE 'addr' CC=3 NOT OPERATIONAL  
 DMKBSC520I LINE 'addr' CHAN ERROR CMD='cm'  
 DMKBSC500I LINE 'addr' CMD REJECT CMD='cm'  
 DMKBSC504I LINE 'addr' DATA CK CMD='cm'  
 DMKBSC503I LINE 'addr' EQUIP CK CMD='cm'  
 DMKBSC501A LINE 'addr' INT REQ  
 DMKBSC527I LINE 'addr' LOST DATA CMD='cm'  
 DMKBSC517I LINE 'addr' NOT/KNOWN CMD='cm'  
 DMKBSC505I LINE 'addr' OVERRUN CK CMD='cm'  
 DMKBSC528I LINE 'addr' TIMEOUT CMD='cm'  
  
 DMKRGF455I LINE addr CC=3 NOT OPERATIONAL  
 DMKRGF454I LINE addr DISABLED  
 DMKNES706E LINE addr NOT ENABLED  
  
 DMKCNS454I LINE raddr DISABLED  
  
 DMKDIA056E LINE vaddr BUSY ON userid  
  
 DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR  
 DMKDIA055E LINE(S) NOT AVAILABLE ON userid  
  
 DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS  
  
 DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK  
  
 | DMKCF0041E LOGMSG nn DOES NOT EXIST  
  
 DMKMCH615I MACHINE CHECK RECORDING FAILURE  
 DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKFMT732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE  
 DMKMCH610I MACHINE CHECK SUPERVISOR DAMAGE  
 DMKMCH611I MACHINE CHECK SYSTEM INTEGRITY LOST  
 DMKMCH612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP  
 DMKMCH617I MACHINE CHECK; BUFFER  
 DMKMCH614I MACHINE CHECK; DAMAGED PAGE NOW DELETED  
 DMKMCH619I MACHINE CHECK; OPERATION TERMINATED  
 DMKMCH616I MACHINE CHECK; USER userid TERMINATED  
  
 | DMKMCH618I MAIN STORAGE NOW IN {RECORD|QUIET} MODE  
  
 DMKLOG051E MAXIMUM USERS EXCEEDED  
  
 | DMKIOG553I MCH ERROR RECORDING AREA CLEARED; USER 'userid'  
 | DMKIOF551E MCH ERROR RECORDING AREA FULL; RUN CPEREP

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| DMKIOG551E MCH ERROR RECORDING AREA FULL; RUN CPREP
| DMKIOF550E MCH ERROR RECORDING AREA 90 PERCENT FULL; RUN CPREP

DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY
DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE
DMKMCC214E MONITOR CPTRACE IS NOT ACTIVE
DMKMCC218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O
DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE
DMKMCC212E MONITOR TAPE IS NOT ACTIVE
DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED

DMKNES175E NETWORK TRACE ALREADY IN USE BY userid

DMKEDM853I NO DUMP FILES EXIST
DMKRND853I NO DUMP FILES EXIST

DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT
DMKDDR716R NO VOL1 LABEL FOUND [FOR volser] DO YOU WISH TO CONTINUE?
DMKWRM920I NO WARM START DATA; CKPT START FOR RETRY

DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY

DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20

DMKDDR703E OPERAND MISSING
DMKDIR753E OPERAND MISSING

DMKCDB026E OPERAND MISSING OR INVALID
DMKCD026E OPERAND MISSING OR INVALID
DMKCFD026E OPERAND MISSING OR INVALID
DMKCFG026E OPERAND MISSING OR INVALID
DMKCF026E OPERAND MISSING OR INVALID
| DMKCF0026E OPERAND MISSING OR INVALID
DMKCF026E OPERAND MISSING OR INVALID
DMKCF026E OPERAND MISSING OR INVALID
DMKCPB026E OPERAND MISSING OR INVALID
DMKCP026E OPERAND MISSING OR INVALID
DMKCPV026E OPERAND MISSING OR INVALID
DMKCQR026E OPERAND MISSING OR INVALID
| DMKCSB026E OPERAND MISSING OR INVALID
DMKCS026E OPERAND MISSING OR INVALID
DMKCS026E OPERAND MISSING OR INVALID
DMKCSU026E OPERAND MISSING OR INVALID
DMKDEF026E OPERAND MISSING OR INVALID
DMKMCC026E OPERAND MISSING OR INVALID
DMKMCH026E OPERAND MISSING OR INVALID
DMKNES026E OPERAND MISSING OR INVALID
DMKNET026E OPERAND MISSING OR INVALID
DMKNLD026E OPERAND MISSING OR INVALID
DMKTHI026E OPERAND MISSING OR INVALID
DMKTRA026E OPERAND MISSING OR INVALID

DMKDDR725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE.

DMKDDR718E OUTPUT UNIT IS FILE PROTECTED
DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR

DMKDDR713E OVERLAPPING OR INVALID EXTENTS

DMKEDM864I PAGE REFERENCED NOT AVAILABLE

DMKCFG435E PAGING ERROR WRITING SAVED SYSTEM
DMKCFG174E PAGING I/O ERROR; IPL FAILED

DMKCFG177E PARM EXCEEDS 64 CHARACTERS

DMKLOG050E PASSWORD INCORRECT

DMKCKS915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER

DMKDDR756E PROGRAM CHECK PSW = psw
DMKDIR756E PROGRAM CHECK PSW = psw
DMKFMT756E PROGRAM CHECK PSW = psw
| DMKRSE504A PRT 'addr' DATA CK CMD='cm'

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| DMKRSE502I PRT 'addr' BUSOUT CK
| DMKRSE520I PRT 'addr' CHAN ERROR
| DMKRSE500I PRT 'addr' CMD REJECT CMD='cm' SNS='sense'
| DMKRSE504I PRT 'addr' DATA CK CMD='cm'
| DMKRSE503A PRT 'addr' EQUIP CK
| DMKRSE503I PRT 'addr' EQUIP CK
| DMKRSE525I PRT 'addr' FORMAT CK
| DMKRSE501A PRT 'addr' INT REQ
| DMKRSE501I PRT 'addr' INT REQ
| DMKRSE524I PRT 'addr' LOAD CHECK
| DMKRSE521I PRT 'addr' NO DEVICE
| DMKRSE529I PRT 'addr' PARITY CK
| DMKRSE508I PRT 'addr' PERM ERROR CMD='cm' SNS='sense'
| DMKRSE520A PRT 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

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DMKRSP428E PRT raddr SPOOL ERROR; FILE HELD
| DMKVSP429I PRT vaddr SPOOL ERROR; FILE PURGED

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| DMKRSE502I PUN 'addr' BUSOUT CK
| DMKRSE520I PUN 'addr' CHAN ERROR
| DMKRSE500I PUN 'addr' CMD REJECT CMD='cm' SNS='sense'
| DMKRSE504I PUN 'addr' DATA CK CMD='cm'
| DMKRSE503A PUN 'addr' EQUIP CK
| DMKRSE503I PUN 'addr' EQUIP CK
| DMKRSE525I PUN 'addr' FORMAT CK
| DMKRSE501A PUN 'addr' INT REQ
| DMKRSE501I PUN 'addr' INT REQ
| DMKRSE524I PUN 'addr' LOAD CHECK
| DMKRSE521I PUN 'addr' NO DEVICE
| DMKRSE529I PUN 'addr' PARITY CK
| DMKRSE508I PUN 'addr' PERM ERROR CMD='cm' SNS='sense'
| DMKRSE520A PUN 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

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DMKAC0425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR
DMKRSP428E PUN raddr SPOOL ERROR; FILE HELD
| DMKVSP429I PUN vaddr SPOOL ERROR; FILE PURGED
| DMKVSP427I PUN vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED

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DMKCFD021E RADDR MISSING OR INVALID
DMKCPS021E RADDR MISSING OR INVALID
DMKCPV021E RADDR MISSING OR INVALID
DMKCQP021E RADDR MISSING OR INVALID
| DMKCSB021E RADDR MISSING OR INVALID
DMKCSO021E RADDR MISSING OR INVALID
DMKHCC021E RADDR MISSING OR INVALID
DMKNET021E RADDR MISSING OR INVALID
DMKNLD021E RADDR MISSING OR INVALID
DMKVDB021E RADDR MISSING OR INVALID
| DMKRSE504A RDR 'addr' DATA CK CMD='cm'
| DMKRSE502I RDR 'addr' BUSOUT CK
| DMKRSE520I RDR 'addr' CHAN ERROR
| DMKRSE500I RDR 'addr' CMD REJECT CMD='cm' SNS='sense'
| DMKRSE504I RDR 'addr' DATA CK CMD='cm'
| DMKRSE503A RDR 'addr' EQUIP CK
| DMKRSE503I RDR 'addr' EQUIP CK
| DMKRSE525I RDR 'addr' FORMAT CK
| DMKRSE501A RDR 'addr' INT REQ
| DMKRSE501I RDR 'addr' INT REQ
| DMKRSE524I RDR 'addr' LOAD CHECK
| DMKRSE521I RDR 'addr' NO DEVICE
| DMKRSE529I RDR 'addr' PARITY CK
| DMKRSE508I RDR 'addr' PERM ERROR CMD='cm' SNS='sense'
| DMKRSE520A RDR 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

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DMKRSE505A RDR 'addr' OVERRUN CK CMD='cm'

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DMKRSP434A RDR raddr FATAL I/O ERROR; FILE PURGED
DMKRSP431A RDR raddr ID CARD MISSING OR INVALID
DMKRSP432A RDR raddr ID CARD; 'userid' NOT IN CP DIRECTORY
DMKRSP433A RDR raddr ID CARD; INVALID DATA - 'data'
DMKRSP428E RDR raddr SPOOL ERROR; FILE PURGED
DMKRSP426E RDR raddr SPOOL SPACE FULL; FILE PURGED

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DMKVSP429I RDR vaddr SPOOL ERROR; FILE HELD
DMKCST424E RDR FILE SPOOL ERROR; FILE UNCHANGED

DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE
DMKDDR721E RECORD cchhr NOT FOUND

| DMKCF0175E RESERVE ALREADY IN USE BY userid

DMKCFG300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE.

DMKCDS161E SHARED PAGE hexloc ALTERED by userid
DMKVMA161E SHARED PAGE hexloc ALTERED BY userid
DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

DMKNCH613I SOFT MACHINE CHECK RECORDING DISABLED

DMKCQG042E SPOOLID nnnn DOES NOT EXIST
DMKCST042E SPOOLID nnnn DOES NOT EXIST
DMKCSU042E SPOOLID nnnn DOES NOT EXIST

DMKCQG027E SPOOLID MISSING OR INVALID
DMKCST027E SPOOLID MISSING OR INVALID
DMKCSU027E SPOOLID MISSING OR INVALID

DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user

| DMKCP1957I STOR sssssK, NUC nnnK, DYN ddddK, TRA tttK, FREE ffffK, V=R vvvvvK

DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM
DMKDEF025E STORAGE MISSING OR INVALID

DMKCDS163E STORE EXCEEDS MAXIMUM REGISTER

DMKMCC216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP

DMKSAV353W SYSRES DEVICE TYPE INVALID

DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
DMKCFG044E SYSTEM name DOES NOT EXIST
DMKNLD044E SYSTEM name DOES NOT EXIST
DMKSNC044E SYSTEM name DOES NOT EXIST
DMKCFG170E SYSTEM name EXCEEDS STORAGE
DMKNLD170E SYSTEM name EXCEEDS STORAGE
DMKCFG173E SYSTEM name REQUIRES DASD vaddr
DMKCFG179E SYSTEM name VOLID volid NOT CP OWNED
DMKSNC179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED
DMKSNC171E SYSTEM name VOLID volid NOT MOUNTED
DMKNLD171E SYSTEM name VOLID NOT MOUNTED

DMKCKS400I SYSTEM CHECKPOINT AREA FULL
DMKCKS401I SYSTEM CHECKPOINT AREA 90 PERCENT FULL

DMKDMP909W SYSTEM DUMP DEVICE NOT-READY
DMKDMP907W SYSTEM DUMP FAILURE; FATAL I/O ERROR
DMKDMP906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP
DMKDMP905W SYSTEM DUMP FAILURE; PROGRAM CHECK

DMKDMP908I SYSTEM FAILURE; CODE - code

DMKCKP902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL CYL|WARM CYL}
DMKCKP922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA
DMKWRM904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA
DMKCKP901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP
DMKCKP900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK
DMKWRM921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR
DMKCKS903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR CYLINDER 'cylinder'
DMKCKS912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKWRM912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKCKP910W SYSTEM RECOVERY FAILURE; INVALID WARM START CYLINDER
DMKCKP911W SYSTEM RECOVERY FAILURE; WARM START AREA FULL

DMKCKP961W SYSTEM SHUTDOWN COMPLETE
DMKCP1961W SYSTEM SHUTDOWN COMPLETE

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DMKPGT400I SYSTEM TEMP SPACE FULL
DMKPGT401I SYSTEM TEMP SPACE 90 PERCENT FULL

DMKCKP960I SYSTEM WARM START DATA SAVED
DMKCPI960I SYSTEM WARM START DATA SAVED

DMKTAP516I TAPE 'addr' BAD SENSE CMD='cm' SNS='sense'
DMKTAP502D TAPE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP520I TAPE 'addr' CHAN ERROR CMD='cm' SNS='sense'
DMKTAP500I TAPE 'addr' CMD REJECT CMD='cm' SNS='sense'
DMKTAP511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense'
DMKTAP523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense'
DMKTAP510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense'
DMKTAP504D TAPE 'addr' DATA CK CMD='cm' SNS='sense'
DMKTAP503I TAPE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense'
DMKTAP513I TAPE 'addr' FILE PROT CMD='cm' SNS='sense'
DMKTAP501A TAPE 'addr' INT REQ
DMKTAP512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense'
DMKTAP521I TAPE 'addr' NO DEVICE CMD='cm' SNS='sense'
DMKTAP517I TAPE 'addr' NOT/KNOWN CMD='cm' SNS='sense'
DMKTAP505D TAPE 'addr' OVERRUN CK CMD='cm' SNS='sense'
DMKTAP519I TAPE 'addr' PE BURST CMD='cm' SNS='sense'
DMKTAP518I TAPE 'addr' RECV ERROR CMD='cm' SNS='sense'

DMKEDM851I TEN DUMP FILES ALREADY EXIST
DMKRND851I TEN DUMP FILES ALREADY EXIST

| DMKCFS187E TIMER ASSIST NOT AVAILABLE

DMKTRA180W TRACE NOT IN EFFECT

DMKRSP430A TYPE raddr FATAL I/O ERROR; NOW OFFLINE, FILE HELD

DMKVDB134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED
DMKDEF136E TYPE vaddr NOT DEFINED; CHAN x DEDICATED
DMKVDB135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED

DMKFMT734E TYPE OR CYL INVALID

DMKCPI953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP
DMKEDM850I UNABLE TO READ DUMP FROM READER
DMKRND850I UNABLE TO READ DUMP FROM READER

DMKLNK117E USERID userid NOT LINKED; VOLID valid CONFLICT
DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE

| DMKCF0020E USERID MISSING OR INVALID
DMKCPV020E USERID MISSING OR INVALID
DMKCQG020E USERID MISSING OR INVALID
DMKCQP020E USERID MISSING OR INVALID
DMKCQR020E USERID MISSING OR INVALID
DMKCSF020E USERID MISSING OR INVALID
DMKCSU020E USERID MISSING OR INVALID
DMKDIA020E USERID MISSING OR INVALID
DMKLNK020E USERID MISSING OR INVALID
DMKLOG020E USERID MISSING OR INVALID
DMKMSG020E USERID MISSING OR INVALID
DMKUSO020E USERID MISSING OR INVALID
DMKVDB020E USERID MISSING OR INVALID

| DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS

DMKCFD022E VADDR MISSING OR INVALID
DMKCFG022E VADDR MISSING OR INVALID
DMKCPB022E VADDR MISSING OR INVALID
DMKCQG022E VADDR MISSING OR INVALID
DMKCQP022E VADDR MISSING OR INVALID
| DMKCSB022E VADDR MISSING OR INVALID
DMKCSF022E VADDR MISSING OR INVALID
DMKCSU022E VADDR MISSING OR INVALID
DMKST022E VADDR MISSING OR INVALID
DMKDEF022E VADDR MISSING OR INVALID
DMKDIA022E VADDR MISSING OR INVALID
DMKLNK022E VADDR MISSING OR INVALID
DMKVDB022E VADDR MISSING OR INVALID

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| DMKVMIO22E VADDR MISSING OR INVALID

DMKCPV176E VIRT=REAL AREA IN USE BY userid  
DMKBLD201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES  
DMKBLD200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}  
DMKBLD202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE  
DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

DMKCFS183E VM ASSIST NOT ACTIVE  
| DMKCFO184E VM ASSIST NOT AVAILABLE  
DMKCFS184E VM ASSIST NOT AVAILABLE

DMKVDB023E VOLID MISSING OR INVALID  
DMKDIR761E VOLID READ IS volid1 NOT volid2  
DMKPM733E VOLID READ IS volid1 NOT volid2  
DMKDDR711R VOLID READ IS volid2 [NOT volid1]

DMKDDR709E WRONG INPUT TAPE MOUNTED

CMS MESSAGES

DMSBTP108E /SET CARD FORMAT INVALID  
| DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED

DMSVGN368I count NEW PTF DECKS WILL BE APPLIED  
| DMSVPD368I count NEW PTF DECKS WILL BE APPLIED

| DMSACC726I 'cuu mode' RELEASED  
| DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK  
| DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE  
DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK  
DMSFOR113S cuu NOT ATTACHED  
DMSACC724I cuu REPLACES mode (ccu)

| DMSDLB322I 'ddname' NOT FOUND; NO CLEAR EXECUTED  
| DMSXCP113S 'device (cuu)' NOT ATTACHED

DMSITP143T exception EXCEPTION OCCURRED AT addr in SYSTEM ROUTINE callee  
DMSITP141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee  
DMSITP144T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee WHILE 'UFDBUSY' = xx  
DMSITP142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE

| DMSMOD114E 'fn ft fm' NOT LAODED; CMS/DOS ENVIRONMENT [NOT] ACTIVE

DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]  
DMSACC113S mode (cuu) NOT ATTACHED  
| DMSASM113S mode (cuu) NOT ATTACHED  
| DMSBOP113S mode (cuu) NOT ATTACHED

| DMSBOP308E 'mode' DISK IN CMS FORMAT: INVALID FOR NON-CMS DATASET  
| DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET

| DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'  
| DMSVPD367I 'modulename TEXT' WRITTEN ON DISK 'A'

| DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'

DMSABN149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE HAVE BEEN DESTROYED. RE-IPL CMS.  
DMSABN150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED

DMSSET333E nnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE

| DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSDSV066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSIFC066C 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSLST066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSSYN066E 'option' AND 'option' ARE CONFLICTING OPTIONS  
| DMSUPD066E 'option' AND 'option' ARE CONFLICTING OPTIONS

| DMSDLB065E 'option' OPTION SPECIFIED TWICE  
| DMSAMS065E 'option' OPTION SPECIFIED TWICE  
| DMSASN065E 'option' OPTION SPECIFIED TWICE  
| DMSCPY065E 'option' OPTION SPECIFIED TWICE  
| DMSDSV065E 'option' OPTION SPECIFIED TWICE  
| DMSFLD065E 'option' OPTION SPECIFIED TWICE  
| DMSUPD065E 'option' OPTION SPECIFIED TWICE

| DMSDSV026W 'phase' NOT IN LIBRARY

DMSITS140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET

DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'

DMSEDI076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED  
DMSINI610R ALSO IPL CYLINDER 0? {YES|NO}  
DMSVPD383R APPLY 'fn'? ...ENTER 'NO' OR BOB:

DMSZAP195W BASE VALUE INVALID - SET NO GO SWITCH  
DMSBTB101E BATCH NOT LOADED



DMSMVE130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 8

DMSRRV194S BOOK 'subl.book' CONTAINS BAD RECORDS  
DMSRRV004E BOOK 'subl.book' NOT FOUND

DMSVDP368I count NEW PTF DECKS WILL BE APPLIED  
DMSITS137T CALL TO routine FROM addr DESTROYED SYSTEM SAVE AREA. RE-IPL CMS  
DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE  
DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND  
DMSFRE165T CHAIN HEADER AT addr: xxxxxx xxxxxx xxxxxx xxxxxx  
DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'

DMSINS098W CMS OS SIMULATION NOT AVAILABLE  
DMSITS098S CMS OS SIMULATION NOT AVAILABLE  
DMSSET098W CMS OS SIMULATION NOT AVAILABLE

DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE  
DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSDLK099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSERV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSSET099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE  
DMSDSV099E CMS/DOS ENVIRONMENT NOT ACTIVE.

DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'

DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

DMSCMS715I CMSXGEN COMPLETE  
DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS  
DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS  
DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR

DMSCMP009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSDSK009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSRTO009E COLUMN 'col' EXCEEDS RECORD LENGTH  
DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH

DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS  
DMSCMP179I COMPARING 'fn ft fm' WITH 'fn ft fm'  
DMSMP011E CONFLICTING FILE FORMATS

DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'  
DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'  
DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'

| DMSTPE115S {CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL-DENSITY} FEATURE  
| NOT SUPPORTED ON DEVICE 'cuu'

DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY}] 'fn ft fm' {OLD|NEW} FILE]

DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)  
DMSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME

DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED

| DMSIFC828I CPEREP CLEAR HAS BEEN COMPLETED  
| DMSIFC829W CPEREP CLEAR HAS BEEN IGNORED  
| DMSIFC827I CPEREP PRINTING COMPLETE  
| DMSBTP109E CPU LIMIT EXCEEDED

DMSVGN361I CREATING CMS TEXT FILES...  
DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} -  
SET NO GO SWITCH

DMSLDS002E DATA SET NOT FOUND

DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]

DMSVRT008E DEVICE 'cuu' (INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE)  
DMSVUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}  
DMSRDC008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}

DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}

DMSARX075E DEVICE 'device' INVALID FOR INPUT  
DMSASM075E DEVICE 'device' INVALID FOR INPUT

DMSFCH113S DISK (cuu) NOT ATTACHED  
DMSPRV113S DISK (cuu) NOT ATTACHED  
DMSRRV113S DISK (cuu) NOT ATTACHED  
DMSRV113S DISK (cuu) NOT ATTACHED

DMSARE069E DISK '{mode|cuu}' NOT ACCESSED  
DMSBWR170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF FILES  
DMSBWR107S DISK 'mode (cuu)' IS FULL  
DMSRNM037E DISK 'mode (cuu)' IS READ/ONLY  
DMSERS037E DISK 'mode cuu' IS READ/ONLY  
DMSFOR037E DISK 'mode{ (cuu) }' IS READ/ONLY  
DMSACC112S DISK 'mode (cuu)' DEVICE ERROR  
DMSERS069E DISK 'mode (cuu)' NOT ACCESSED

DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK

DMSBOP037E DISK 'mode' IS READ/ONLY  
DMSCPY037E DISK 'mode' IS READ/ONLY  
DMSDSK037E DISK 'mode' IS READ/ONLY  
DMSDSL037E DISK 'mode' IS READ/ONLY  
DMSERV037E DISK 'mode' IS READ/ONLY  
DMSLBM037E DISK 'mode' IS READ/ONLY  
DMSLST037E DISK 'mode' IS READ/ONLY  
DMSMOD037E DISK 'mode' IS READ/ONLY  
DMSRTO37E DISK 'mode' IS READ/ONLY  
DMSTPE037E DISK 'mode' IS READ/ONLY

DMSASN069E DISK 'mode' NOT ACCESSED  
DMSBOP069E DISK 'mode' NOT ACCESSED  
DMSDSL069E DISK 'mode' NOT ACCESSED  
DMSFOR069E DISK 'mode' NOT ACCESSED  
DMSLDS069E DISK 'mode' NOT ACCESSED  
DMSLST069E DISK 'mode' NOT ACCESSED  
DMSSTO69E DISK 'mode' NOT ACCESSED  
DMSFLD069I DISK 'mode' NOT ACCESSED

DMSPRV037E DISK 'A' IS READ/ONLY  
DMSRDC037E DISK 'A' IS READ/ONLY  
DMSUPD037E DISK 'A' IS READ/ONLY

DMSUPD069E DISK 'A' NOT ACCESSED  
DMSVGN069E DISK 'A' NOT ACCESSED

DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'  
DMSFOR705I DISK REMAINS UNCHANGED

DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM

DMSITS139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK  
DMSITS138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY STACK, WITH MAX DEPTH 7

DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST

DMSGEN715I DOSGEN COMPLETE  
DMSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS  
DMSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS

DMSLIO202W DUPLICATE IDENTIFIER 'identifier'

DMSDSK077E END CARD MISSING FROM INPUT DECK  
DMSMVE226I END OF PDS MOVE

DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'  
DMSTPD058E END-OF-FILE OR END-OF-TAPE  
DMSTPE058E END-OF-FILE OR END-OF-TAPE  
DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'

DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):  
 DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION  
 DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:

DMSDLB220R ENTER DATA SET NAME:  
 DMSFLD220R ENTER DATA SET NAME:  
 DMSLDS220R ENTER DATA SET NAME:

DMSFOR605R ENTER DISK LABEL:

DMSVGN361R ENTER EITHER 'DOS' OR 'OS':  
 DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':

DMSDLB331R ENTER EXTENT SPECIFICATIONS:  
 DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:  
 DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:  
 DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':  
 DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:  
 DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:  
 DMSVGN369R ENTER RELEASE NUMBER OF DOS/V5 STARTER SYSTEM:  
 DMSRST604R ENTER SORT FIELDS:  
 DMSCPY601R ENTER SPECIFICATION LIST:  
 DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:  
 DMSCPY602R ENTER TRANSLATION LIST:  
 DMSDLB330R ENTER VOLUME SPECIFICATIONS:

DMSGND021E ENTRY POINT 'name' NOT FOUND  
 DMSLIO021E ENTRY POINT 'name' NOT FOUND  
 DMSMOD021E ENTRY POINT 'name' NOT FOUND  
 DMSNCP021E ENTRY POINT 'name' NOT FOUND

DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':  
 DMSERS071E ERASE \* \* [\*|fm] NOT ALLOWED

DMSIFC826E BREP TXTLIBS NOT FOUND

DMSZAP192W ERROR - ODD NUMBER OF DIGITS - SET NO GO SWITCH.  
 DMSFOR126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode (cuu)'

DMSCMP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSEDI104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSRST104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSDLK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSFUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSRST104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMS SYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSZAP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK  
 DMSDSL104S ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK  
 DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR'

DMSVPD105S ERROR 'nn' WRITING 'fn CMSUT1 A1' ON DISK  
 DMSLLU105S ERROR 'nn' WRITING FILE '\$LISTIO EXEC A1' ON DISK

DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSEDI105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSDLK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSDSL105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
 DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK

DMSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSTMA105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK  
  
DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK  
  
DMSDSV105S ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK  
  
DMSDLK245S ERROR 'nnn' ON PRINTER  
DMSDSV245S ERROR 'nnn' ON PRINTER  
DMSZAP245S ERROR 'nnn' ON PRINTER  
  
DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE  
DMSTMA137S ERROR nn ON STATE FOR fn ft  
  
DMSITS122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxxxx)  
DMSEXT072E ERROR IN EXEC FILE fn, LINE nn - message  
  
DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'  
  
DMSARN008W ERROR MESSAGES ISSUED  
DMSLKD008W ERROR MESSAGES ISSUED  
  
DMSPR1123S ERROR PRINTING FILE 'fn ft fm'  
  
DMSDSK118S ERROR PUNCHING FILE  
DMSPUN118S ERROR PUNCHING FILE 'fn ft fm'  
  
DMSTMA110S ERROR READING 'TAPn'  
DMSTPD110S ERROR READING 'TAPn'  
DMSTPE110S ERROR READING 'TAPn (cuu)'  
DMSVPD110S ERROR READING 'TAP1(181)'  
  
DMSDSK124S ERROR READING CARD FILE  
DMSRDC124S ERROR READING CARD FILE  
  
DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY  
DMSASM074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY  
  
DMSTPE111S ERROR WRITING 'TAPn (cuu)'  
  
DMSEDI117S ERROR WRITING TO DISPLAY TERMINAL  
  
DMSLIO169S ESDID TABLE OVERFLOW  
  
DMSLIO740I EXECUTION BEGINS ...  
  
DMSDOS140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED  
  
DMSVGN364I FETCHING sysname...  
  
DMSERS002E FILE ['fn [ft [fm]]'] NOT FOUND  
DMSCMP002E FILE 'fn [ft [fm]]' NOT FOUND  
DMSGRN002E FILE 'fn ft [fm]' NOT FOUND  
  
DMSTPD703I FILE 'fn ft [fm]' COPIED  
  
DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE  
DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE  
  
DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS  
DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS-- SPECIFY 'REPLACE'  
  
DMSLBT056E FILE 'fn ft fm' CONTAINS [NAME|ALIAS|ENTRY|ESD] INVALID RECORD FORMATS  
DMSLBT056W FILE 'fn ft fm' CONTAINS [NAME|ALIAS|ENTRY|ESD] INVALID RECORD FORMATS  
  
DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS  
  
DMSPR1033E FILE 'fn ft fm' IS NOT A LIBRARY

DMSFUN033E FILE 'fn ft fm' IS NOT A LIBRARY  
DMSSVT033E FILE 'fn ft fm' IS NOT A LIBRARY  
DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY  
  
DMSRRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH  
  
DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSARX007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSASM007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSDLK007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSLKD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS  
  
DMSYN007E FILE 'fn ft fm' NOT FIXED, 80 CHAR. RECORDS  
  
DMSDSK002E FILE 'fn ft fm' NOT FOUND  
DMSGND002W FILE 'fn ft fm' NOT FOUND  
DMSLBM002W FILE 'fn ft fm' NOT FOUND  
DMSNVE002E FILE 'fn ft fm' NOT FOUND  
DMSNCP002E FILE 'fn ft fm' NOT FOUND  
DMSPR002E FILE 'fn ft fm' NOT FOUND  
DMSFUN002E FILE 'fn ft fm' NOT FOUND  
DMSRNM002E FILE 'fn ft fm' NOT FOUND  
DMSRUN002E FILE 'fn ft fm' NOT FOUND  
DMSRRT002E FILE 'fn ft fm' NOT FOUND  
DMSSTT002E FILE 'fn ft fm' NOT FOUND  
DMSYN002E FILE 'fn ft fm' NOT FOUND  
DMSTPE002E FILE 'fn ft fm' NOT FOUND  
DMSTYP002E FILE 'fn ft fm' NOT FOUND  
DMSUPD002E FILE 'fn ft fm' NOT FOUND  
  
DMSEDI132S FILE 'fn ft fm' TOO LARGE  
  
DMSLIO056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS  
DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS  
  
DMSAMS007E FILE 'fn AMSERV fm' NOT FIXED, 80-CHAR. RECORDS  
  
DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS  
  
DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT  
  
DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK  
  
DMSACC002E FILE 'DMSROS TEXT' NOT FOUND  
  
DMSAMS002E FILE 'fn AMSERV' NOT FOUND  
DMSLKD002E FILE 'fn ASSEMBLE' NOT FOUND  
DMSNCP002E FILE 'fn ASSEMBLE' NOT FOUND  
DMSERV002E FILE 'fn ESERV' NOT FOUND  
DMSARN002E FILE 'fn ft' NOT FOUND  
DMSARX002E FILE 'fn ft' NOT FOUND  
DMSASM002E FILE 'fn ft' NOT FOUND  
DMSGLB002W FILE 'fn ft' NOT FOUND  
DMSIFC002E FILE 'fn ft [fm]' NOT FOUND  
DMSLBM002E FILE 'fn ft' NOT FOUND  
DMSLBT002E FILE 'fn ft' NOT FOUND  
DMSLBT002W FILE 'fn ft' NOT FOUND  
DMSLIO002E FILE 'fn ft' NOT FOUND  
DMSMDP002E FILE 'fn ft' NOT FOUND  
DMSMOD002E FILE 'fn ft' NOT FOUND  
DMSZAP002W FILE 'fn ft' NOT FOUND  
DMSZAP002E FILE 'fn ft' NOT FOUND  
DMSLST002E FILE NOT FOUND  
  
DMSLGT002I FILE 'fn' TXTLIB NOT FOUND  
DMSLIO002I FILE 'fn' TXTLIB NOT FOUND  
  
DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT  
  
DMSEDI024E FILE 'EDIT CMSUT1 fm' ALREADY EXISTS  
DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS

DMSFNS908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'. REASON CODE 'nn'.  
DMSACC060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode(cuu)' WILL NOT BE ACCESSED  
DMSFLD224E FILEID ALREADY IN USE  
DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'  
DMSASM038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'  
DMSCMP209W FILES DO NOT COMPARE  
DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'  
DMSFOR733I FORMATTING DISK 'mode'  
DMSFRE167T FREE STORAGE MANAGEMENT ERROR, INTERNAL CODE ERROR nn  
| DMSCPY156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS  
DMSDOS094E FROM ADDRESS ON MVCOM MACRO INVALID  
| DMSFRE164T HIGH-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn)  
| DMSFRE163T HIGH-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn)  
| DMSABN153W 'HX' DURING ABEND PROCESSING WAS IGNORED  
DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370  
DMSLBM907T I/O ERROR ON FILE 'fn ft fm'  
DMSLIO907T I/O ERROR ON FILE 'fn ft fm'  
DMSMVE128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname  
DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname  
DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK  
| DMSREA830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS  
DMSLDS231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK  
DMSCMP019E IDENTICAL FILEIDS  
DMSRNM019E IDENTICAL FILEIDS  
DMSRTO19E IDENTICAL FILEIDS  
DMSCPY903T IMPOSSIBLE PHASE CODE 'xx'  
DMSDLB305E INCOMPLETE EXTENT RANGE  
DMSCPY054E INCOMPLETE FILEID SPECIFIED  
DMSCMP054E INCOMPLETE FILEID SPECIFIED  
DMSDSK054E INCOMPLETE FILEID SPECIFIED  
DMSEDI054E INCOMPLETE FILEID SPECIFIED  
DMSERS054E INCOMPLETE FILEID SPECIFIED  
DMSGRN054E INCOMPLETE FILEID SPECIFIED  
DMSPR054E INCOMPLETE FILEID SPECIFIED  
DMSPN054E INCOMPLETE FILEID SPECIFIED  
DMSRDC054E INCOMPLETE FILEID SPECIFIED  
DMSRNM054E INCOMPLETE FILEID SPECIFIED  
DMSRTO54E INCOMPLETE FILEID SPECIFIED  
DMSSTT054E INCOMPLETE FILEID SPECIFIED  
DMSTYP054E INCOMPLETE FILEID SPECIFIED  
DMSMVE041E INPUT AND OUTPUT FILES ARE THE SAME  
DMSRRV411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSSLB}  
DMSFCH411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSCLB}'  
DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'  
DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'  
| DMSSVT120S INPUT ERROR 'code' ON 'ddname'  
| DMSSTT120S INPUT ERROR 'code' ON 'ddname'  
| DMSXCP411S INPUT ERROR CODE 'nn' ON 'SYSxxx'  
| DMSCPY002E INPUT FILE 'fn ft fm' NOT FOUND  
DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT  
DMSUPD210W INPUT FILE SEQUENCE ERROR: '.....' TO '.....'

DMSINI612R INSTALLATION HEADING =

DMSFRE159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY DMSFREE REQUEST FROM addr  
DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE.  
DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE.

DMSCIO145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}  
DMSPIO145S INTERVENTION REQUIRED ON PRINTER

DMSCPY064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR '.....'

DMSCMP062E INVALID \* IN FILEID  
DMSPR062E INVALID \* IN FILEID  
DMSPUN062E INVALID \* IN FILEID  
DMSRDC062E INVALID \* IN FILEID  
DMSTYP062E INVALID \* IN FILEID  
DMSDSK062E INVALID \* IN FILEID ['fn ft fm']  
DMSRNM062E INVALID \* IN OUTPUT FILEID  
DMSSRT062E INVALID \* IN OUTPUT FILEID

DMSCMS095E INVALID ADDRESS 'address'  
DMSDOS095E INVALID ADDRESS 'address'  
DMSDSV095E INVALID ADDRESS 'address'  
DMSGEN095E INVALID ADDRESS 'address'

DMSERV070E INVALID ARGUMENT 'argument'

DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'

DMSDSK078E INVALID CARD IN INPUT DECK  
DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'

DMSSTT062E INVALID 'char' IN FILEID 'fn ft'

DMSCPY062E INVALID CHAR '{=\*|char}' IN FILEID ['fn ft fm']  
DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '.....'

DMSFLD704I INVALID CLEAR REQUEST  
DMSINT015E INVALID {CMS|SUBSET} COMMAND

DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD  
DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET  
DMSINI080E INVALID CYLINDER NUMBER - REENTER

DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM

DMSDLB221E INVALID DATA SET NAME  
DMSLDS221E INVALID DATA SET NAME  
DMSFLD221E INVALID DATA SET NAME 'data set name'

DMSDLB086E INVALID DDNAME 'ddname'  
DMSMVE086E INVALID DDNAME 'ddname'

DMSFLD027E INVALID DEVICE 'device name'  
DMSTPE027E INVALID DEVICE 'device name'  
DMSASN027E INVALID DEVICE 'device'  
DMSERV027E INVALID DEVICE 'device' FOR SYSxxx  
DMSDSV027E INVALID DEVICE 'nn'

DMSINI079E INVALID DEVICE ADDRESS - REENTER

DMSACC017E INVALID DEVICE ADDRESS 'cuu'  
DMSARE017E INVALID DEVICE ADDRESS 'cuu'  
DMSFOR017E INVALID DEVICE ADDRESS 'cuu'  
DMSTPE017E INVALID DEVICE ADDRESS 'cuu'

DMSASN090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'

DMSFRE160T INVALID DMSFREE CALL FROM addr  
DMSFRE161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn

DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK

DMSMOD032E INVALID FILETYPE 'ft'  
DMSSYN032E INVALID FILETYPE 'ft'





DMSTPD003E INVALID OPTION 'option'  
 DMSTPE003E INVALID OPTION 'option'  
 DMSTYP003E INVALID OPTION 'option'  
 DMSUPD003E INVALID OPTION 'option'  
 DMSZAP003E INVALID OPTION 'option'.

DMSARE070E INVALID PARAMETER 'parameter'  
 DMSARX070E INVALID PARAMETER 'parameter'  
 DMSASM070E INVALID PARAMETER 'parameter'  
 DMSASN070E INVALID PARAMETER 'parameter'  
 DMSDLB070E INVALID PARAMETER 'parameter'  
 DMSDLK070E INVALID PARAMETER 'parameter'  
 DMSDSK070E INVALID PARAMETER 'parameter'  
 DMSDSL070E INVALID PARAMETER 'parameter'  
 DMSDSV070E INVALID PARAMETER 'parameter'  
 DMSERS070E INVALID PARAMETER 'parameter'  
 DMSFET070E INVALID PARAMETER 'parameter'  
 DMSFLD070E INVALID PARAMETER 'parameter'  
 DMSFOR070E INVALID PARAMETER 'parameter'  
 DMSGND070E INVALID PARAMETER 'parameter'  
 DMSIFC070E INVALID PARAMETER 'parameter'  
 DMSLBM070E INVALID PARAMETER 'parameter'  
 DMSLKD070E INVALID PARAMETER 'parameter'  
 DMSLLU070E INVALID PARAMETER 'parameter'  
 DMSLST070E INVALID PARAMETER 'parameter'  
 DMSMDP070E INVALID PARAMETER 'parameter'  
 DMSMOD070E INVALID PARAMETER 'parameter'  
 DMSMVE070E INVALID PARAMETER 'parameter'  
 DMSOPT070E INVALID PARAMETER 'parameter'  
 DMSPR070E INVALID PARAMETER 'parameter'  
 DMSPRV070E INVALID PARAMETER 'parameter'  
 DMSQRY070E INVALID PARAMETER 'parameter'  
 DMSRRV070E INVALID PARAMETER 'parameter'  
 DMSRUN070E INVALID PARAMETER 'parameter'  
 DMSSET070E INVALID PARAMETER 'parameter'  
 DMSRRT070E INVALID PARAMETER 'parameter'  
 DMSRRV070E INVALID PARAMETER 'parameter'  
 DMSSSK070E INVALID PARAMETER 'parameter'  
 DMSSTT070E INVALID PARAMETER 'parameter'  
 DMSTMA070E INVALID PARAMETER 'parameter'  
 DMSTPE070E INVALID PARAMETER 'parameter'  
 DMSUPD070E INVALID PARAMETER 'parameter'  
 DMSVPD070E INVALID PARAMETER 'parameter'  
 DMSZAP070E INVALID PARAMETER 'parameter'  
 DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION  
 DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION  
 DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]  
 DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSCPY029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSDLB029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSPR029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD  
 DMSCMP029E INVALID PARAMETER 'parameter' IN THE OPTION 'COL' FIELD  
 DMSEDI029E INVALID PARAMETER 'parameter' IN THE OPTION 'LRECL' FIELD  
 DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD

DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO LUMP OPERATION PERFORMED

DMSTMA057E INVALID RECORD FORMAT  
 DMSTPE057E INVALID RECORD FORMAT

| DMSVGN369E INVALID - RELEASE 31 OR LATER REQUIRED

DMSINI081E INVALID REPLY - ANSWER "YES" OR "NO"  
 DMSVGN360E INVALID RESPONSE 'response'.  
 DMSRRT053E INVALID SORT FIELD PAIR DEFINED  
 DMSSSK363E INVALID STARTING ADDRESS 'startadr'  
 DMSSSK362E INVALID STORAGE PROTECT KEY 'key'

DMSASN035E INVALID TAPE MODE  
 DMSFLD035E INVALID TAPE MODE

DMSUPD207W INVALID UPDATE FILE CONTROL CARD

DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS  
DMSZAP248W INVALID VER/REP DISP - SET NO GO SWITCH.

DMSINI608R IPL DEVICE ADDRESS = cuu  
DMSINI082E IPL DEVICE ERROR - REENTER  
DMSINI902T IPL DEVICE READ I/O ERROR  
DMSINI131S IPL DEVICE WRITE I/O ERROR

DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST  
DMSDLB323I JOB CATALOG DLBL CLEARED  
DMSBTP106E JOB CARD FORMAT INVALID

DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'

DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED  
DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED  
DMSDLK210E LIBRARY 'fn ft' IS ON A READ-ONLY DISK  
DMSDSL213W LIBRARY 'fn DOSLIB fm' NOT CREATED.

DMSVGN362I LINK EDITING sysname

DMSLIO116S LOADER TABLE OVERFLOW  
DMSMOD116S LOADER TABLE OVERFLOW  
DMSSET031E LOADER TABLES CANNOT BE MODIFIED

DMSFRE164T LOW-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn)  
DMSFRE163T LOW-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn)

DMSLBM157S MACLIB LIMIT EXCEEDED [, LAST MEMBER ADDED WAS 'membername']

DMSDLB323I MASTER CATALOG DLBL CLEARED

DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED  
DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED  
DMSRST212E MAXIMUM NUMBER OF RECORDS EXCEEDED  
DMSITS135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr

DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

DMSZAP247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH.

DMSRPT013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMSPUN013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY  
DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'  
DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'

DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'  
DMSUPD180W MISSING PTF FILE 'fn ft fm'

DMSRRV004E MODULE 'module' NOT FOUND

DMSARX052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED  
DMSASM052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED  
DMSIFC831E MORE THAN 1000 CHARS. OF OPTIONS SPECIFIED  
DMSGLB108S MORE THAN 8 LIBRARIES SPECIFIED

DMSDOS093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG

DMSDSV028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES

DMSCPY063E NO {TRANSLATION|SPECIFICATION} LIST ENTERED

DMSMOD005E NO '{FROM|TO} ENTRY' SPECIFIED

DMSCMP005E NO 'option' SPECIFIED  
DMSLIO005E NO 'option' SPECIFIED  
DMSLKD005E NO 'option' SPECIFIED  
DMSQRY005E NO 'option' SPECIFIED  
DMSTYP005E NO 'option' SPECIFIED

DMSPRV097E NO 'SYSRES' VOLUME ACTIVE  
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE  
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE

DMSBTE100E NO BATCH PROCESSOR AVAILABLE  
DMSSRV098E NO BOOK NAME SPECIFIED  
DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT  
DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK  
DMSDSV022W NO CORE IMAGE DIRECTORY  
DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION  
DMSAMS228E NO DDNAME ENTERED  
DMSRUN999E NO ft PROCESSOR FOUND

DMSARE028E NO DEVICE SPECIFIED  
DMSFOR028E NO DEVICE SPECIFIED

DMSGND022E NO DIRECTORY NAME SPECIFIED

DMSRPT039E NO ENTRIES IN LIBRARY 'fn ft fm'  
DMSRUN039E NO ENTRIES IN LIBRARY 'fn ft fm'  
DMSRTP039E NO ENTRIES IN LIBRARY 'fn ft fm'

DMSLIO055E NO ENTRY POINT DEFINED

DMSRDC042E NO FILEID SPECIFIED  
DMSTPE042E NO FILEID SPECIFIED  
DMSCPY042E NO FILEID(S) SPECIFIED  
DMSLDS223E NO FILEMODE SPECIFIED

DMSAMS001E NO FILENAME SPECIFIED  
DMSARN001E NO FILENAME SPECIFIED  
DMSARX001E NO FILENAME SPECIFIED  
DMSDLB001E NO FILENAME SPECIFIED  
DMSDLK001E NO FILENAME SPECIFIED  
DMSERV001E NO FILENAME SPECIFIED  
DMSXCC001E NO FILENAME SPECIFIED  
DMSLBM001E NO FILENAME SPECIFIED  
DMSLBT001E NO FILENAME SPECIFIED  
DMSLIO001E NO FILENAME SPECIFIED  
DMSLKD001E NO FILENAME SPECIFIED  
DMSMDP001E NO FILENAME SPECIFIED  
DMSMOD001E NO FILENAME SPECIFIED  
DMSNCP001E NO FILENAME SPECIFIED  
DMSRUN001E NO FILENAME SPECIFIED  
DMSTMA001E NO FILENAME SPECIFIED  
DMSUPD001E NO FILENAME SPECIFIED  
DMSZAP001E NO FILENAME SPECIFIED

DMSMOD040E NO FILES LOADED

DMSDLB023E NO FILETYPE SPECIFIED  
DMSFLD023E NO FILETYPE SPECIFIED  
DMSIFC023E NO FILETYPE SPECIFIED  
DMSTPE023E NO FILETYPE SPECIFIED

DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

DMSDSK047E NO FUNCTION SPECIFIED  
DMSDSL047E NO FUNCTION SPECIFIED  
DMSDSV047E NO FUNCTION SPECIFIED  
DMSGLB047E NO FUNCTION SPECIFIED  
DMSLBM047E NO FUNCTION SPECIFIED  
DMSLBT047E NO FUNCTION SPECIFIED  
DMSOVR047E NO FUNCTION SPECIFIED  
DMSQRY047E NO FUNCTION SPECIFIED  
DMSSET047E NO FUNCTION SPECIFIED  
DMSTPE047E NO FUNCTION SPECIFIED  
DMSZAP047E NO FUNCTION SPECIFIED

DMSBTP105E NO JOB CARD PROVIDED

DMSDSL046E NO LIBRARY NAME SPECIFIED  
DMSLBM046E NO LIBRARY NAME SPECIFIED  
DMSLBT046E NO LIBRARY NAME SPECIFIED

DMSSRT063E NO LIST ENTERED

DMSMDP018E NO LOAD MAP AVAILABLE

DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH.  
DMSASN028E NO LOGICAL UNIT SPECIFIED  
DMSLDS229I NO MEMBERS FOUND  
DMSRRV098E NO MODULE NAME SPECIFIED  
DMSDSL098E NO PHASE NAME SPECIFIED  
DMSFET098E NO PHASE NAME SPECIFIED  
DMSDSV027W NO PRIVATE CORE IMAGE LIBRARY  
DMSDSV024W NO PROCEDURE DIRECTORY  
DMSPRV098E NO PROCEDURE NAME SPECIFIED  
DMSCHS006E NO READ/WRITE A-DISK ACCESSED  
DMSGEN006E NO READ/WRITE A-DISK ACCESSED  
DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED  
DMSARN006E NO READ/WRITE DISK ACCESSED  
DMSARX006E NO READ/WRITE DISK ACCESSED  
DMSASN006E NO READ/WRITE DISK ACCESSED  
DMSDLK006E NO READ/WRITE DISK ACCESSED  
DMSERV006E NO READ/WRITE DISK ACCESSED  
DMSLKD006E NO READ/WRITE DISK ACCESSED  
DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'  
DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'  
DMSDSV023W NO RELOCATABLE DIRECTORY  
DMSDSV025W NO SOURCE STATEMENT DIRECTORY  
DMSYN712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)  
DMSYN711I NO SYSTEM SYNONYMS IN EFFECT  
DMSBOP302E NO SYSxxx OPERAND SPECIFIED  
DMSDLB302E NO SYSXXX OPERAND ENTERED  
DMSLLU303E NO SYSXXX SATISFIES REQUEST  
DMSDSV021W NO TRANSIENT DIRECTORY  
DMSSET061E NO TRANSLATION CHARACTER SPECIFIED  
DMSUPD181E NO UPDATE FILES WERE FOUND  
DMSERR215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS  
DMSVIP230E NO. OF VSAM EXIT ROTINES HAS EXCEEDED MAX OF 128  
DMSINI609R NUCLEUS CYL ADDRESS = nnn  
DMSINI083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE  
DMSRDC701I NULL FILE  
DMSTPE701I NULL FILE  
DMSLET106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED  
DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20  
DMSOP036E OPEN ERROR 'code' ON 'ddname'  
DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPN}  
DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx  
DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'  
DMSACC230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED  
DMSMVE037E OUTPUT DISK 'mode' IS READ/ONLY  
DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY  
| DMSVIT120S OUTPUT ERROR 'code' ON 'ddname'  
| DMSST120S OUTPUT ERROR 'code' ON 'ddname'  
| DMSXCP411S OUTPUT ERROR CODE 'nn' ON 'SYSxxx'  
| DMSCPY002E OVERLAY FILE 'fn ft fm' NOT FOUND  
DMSDLB050E PARAMETER MISSING AFTER DDNAME  
DMSFLD050E PARAMETER MISSING AFTER DDNAME

| DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}  
 DMSASN050E PARAMETER MISSING AFTER SYSxxx

DMSZAP191W PATCH OVERLAPS - SET NO GO SWITCH.  
 DMSMVE225I PDS MEMBER 'membername' MOVED  
 DMSFNS909T PERM I/O ERROR ON 'cuu'. CSW cccccccc cccccccc SENSE ssssssss ssssssss  
 ssssssss ssssssss ssssssss ssssssss.

DMSCRD171T PERMANENT CONSOLE ERROR. RE-IPL CMS.  
 DMSCWR171T PERMANENT CONSOLE ERROR. RE-IPL CMS.  
 DMSCIT171T PERMANENT CONSOLE ERROR, RE-IPL CMS.

DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'  
 DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION XXXXXX  
 DMSFET004E PHASE 'phase' NOT FOUND  
 DMSDOS004E PHASE 'phase' NOT FOUND  
 DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'  
 DMSFCH115E PHASE LOAD POINT LESS THAN 'address'  
 DMSZAP193W PRECEDING CONTROL RECORD FLUSHED.

DMSCMP010E PREMATURE EOF ON FILE ['fn ft [fm]']  
 DMSTPE010E PREMATURE EOF ON FILE 'fn ft fm'  
 DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ NUMBER '.....' NOT FOUND

DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED  
 | DMSBTP109E PRINTER LIMIT EXCEEDED  
 | DMSASN113S PRINTER (cuu) NOT ATTACHED  
 | DMSPIO113S PRINTER (cuu) NOT ATTACHED  
 DMSPRV004E PROCEDURE 'procedure' NOT FOUND  
 DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'

DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR  
 DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW

| DMSBTP109E PUNCH LIMIT EXCEEDED  
 | DMSASN113S PUNCH (cuu) NOT ATTACHED  
 | DMSCIO113S PUNCH (cuu) NOT ATTACHED

DMSRDC702I READ CONTROL CARD IS MISSING. FOLLOWING ASSUMED: READCARD CMSUT1 A1

DMSDSK205W READER EMPTY OR NOT READY  
 DMSRDC205W READER EMPTY OR NOT READY

| DMSCIO113S READER (cuu) NOT ATTACHED  
 | DMSASN113S READER (cuu) NOT ATTACHED

DMSEDI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
 DMSPRTO44E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM  
 DMSPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM

DMSRDC738I RECORD LENGTH IS 'nnn' BYTES

DMSEDI144S REQUESTED FILE IS IN ACTIVE STATUS

DMSINI607R REWRITE THE NUCLEUS? {YES|NO}

DMSITS154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED  
 DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS  
 DMSSET142S SAVED SYSTEM NAME 'name' INVALID

DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '.....' TO '.....'  
 DMSUPD182W SEQUENCE INCREMENT IS ZERO  
 DMSUPD186W SEQUENCE NUMBER '.....' NOT FOUND

DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '.....'

| DMSLIO203W 'SET LOCATION COUNTER' NAME 'name' UNDEFINED

DMSARN012W SEVERE ERROR MESSAGES ISSUED  
 DMSLKD012W SEVERE ERROR MESSAGES ISSUED

| DMSCPY101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '.....'

DMSVGN366I STARTING TO READ PTF DECKS FROM READER...

DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING  
DMSDOS413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

DMSDOS092E STXIT SAVEAREA ADDRESS INVALID  
DMSITS136T SVC CALL FROM addr ILLEGALLY RE-ENTERS INTSVC. RE-IPL CMS  
DMSDLB301E 'SYSxxx' NOT ASSIGNED FOR DISK 'fm'  
DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'

DMSSSK400S SYSTEM 'name' DOES NOT EXIST

DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST  
DMSSET400S SYSTEM 'sysname' DOES NOT EXIST  
DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST

DMSVGN365I SYSTEM sysname SAVED  
DMSABN148T SYSTEM ABEND xxx CALLED FROM 'addr'  
DMSABN152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS

DMSINI606R SYSTEM DISK ADDRESS = cuu

DMSSSK365E SYSTEM NAME NOT SPECIFIED  
DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE

DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS  
DMSVPD113S TAP1 (181) NOT ATTACHED  
DMSCLS043E TAPn IS FILE PROTECTED  
DMSBOP043E TAPn IS FILE PROTECTED

| DMSBOP113S TAPn (cuu) NOT ATTACHED  
| DMSASN113S TAPn (cuu) NOT ATTACHED  
| DMSAMS113S TAPIN (addr) NOT ATTACHED  
| DMSIFC113S TAP2(182) NOT ATTACHED  
| DMSCLS113S TAPn (cuu) NOT ATTACHED

| DMSIFC113S TAPn (cuu) NOT ATTACHED  
DMSTPE113S TAPn (cuu) NOT ATTACHED  
DMSXCP043E TAPn (cuu) IS FILE PROTECTED  
| DMSTPE043E TAPn (cuu) IS FILE PROTECTED  
| DMSAMS113S TAPn (cuu) NOT ATTACHED

DMSTPD707I TEN FILES COPIED

DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA

DMSARN016W TERMINAL ERROR MESSAGES ISSUED  
DMSLKD016W TERMINAL ERROR MESSAGES ISSUED

DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:

DMSCPY172E TO LABEL 'label' {EQUALS|IS AN INITIAL SUBSTRING OF} FRLABEL 'label'  
DMSCPY102S TOO MANY FILEIDS

DMSAMS136S UNABLE TO LOAD 'IDCMAS'.  
DMSEDI143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE  
DMSMVE073E UNABLE TO OPEN FILE ddname

DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'  
DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'  
DMSFRE166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn).  
RE-IPL CMS

DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

| DMSINT015E UNKNOWN {CP/CMS|CMS|CP} COMMAND

DMSMVE127S UNSUPPORTED DEVICE FOR ddname  
DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'  
DMSPPD088E UNSUPPORTED DTF TYPE 'dtftype'

DMSSVT119S UNSUPPORTED FORM OF 'macro' MACRO  
DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE  
DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'

DMSDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller  
 DMSSVT121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr  
 DMSITS134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr  
  
 DMSNCP045E UNSUPPORTED 370X CONTROL PROGRAM TYPE  
  
 DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK  
 DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'  
 DMSABN155T USER ABEND nnnn CALLED FROM addr  
 DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'  
  
 DMSVIB401S V.M. SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)  
 DMSBOP401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
 DMSDOS401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
 DMSSET401S V.M. SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)  
  
 DMSSSK364E V.M. STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr to endadr  
  
 DMSZAP200W VERIFY REJECT - SET NO GO SWITCH  
 DMSINI611R VERSION IDENTIFICATION =  
  
 | DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSBWR109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSERS109T VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSFNS109T VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSSMN109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMS SOP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSSTG109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSTHA109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED  
 DMSVPD109S VIRTUAL STORAGE CAPACITY EXCEEDED.  
  
 DMSFRE162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS  
  
 DMSARN004W WARNING MESSAGES ISSUED  
 DMSLKD004W WARNING MESSAGES ISSUED  
 DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED.]  
  
 DMSDIO905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR  
  
 DMSINI615R Y - DISK ADDRESS = cuu  
  
 DMSZAP750I ZAP PROCESSING COMPLETE

RSCS MESSAGES

DMTAXS640I nn FILE(S) PURGED ON LINK linkid  
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING

DMTCMX300I ACCEPTED BY TASK task  
DMTCMX700I ACTIVATING LINK linkid task type vaddr c  
DMTNPT148I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid  
DMTSML148I ACTIVE FILE spoolid SENDING RESUMED ON LINK linkid  
DMTINI410R ALSO IPL CYLINDER 0? [YES|NO]

DMTSML530I COMMAND FORWARDED ON LINK linkid  
DMTCMX205E CONFLICTING KEYWORD keyword  
DMTCMX207E CONFLICTING OPTION keyword option

DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED  
DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED  
DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT ACTIVATED

DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED

DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}  
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN  
DMTCMX661I FILE spoolid ACTIVE ON LINK linkid  
DMTNPT510I FILE spoolid BACKSPACED  
DMTSML510I FILE spoolid BACKSPACED  
DMTAXS520I FILE spoolid CHANGED  
DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid  
DMTNPT600I FILE spoolid FORWARD SPACED  
DMTSML600I FILE spoolid FORWARD SPACED  
DMTAXS521I FILE spoolid HELD FOR LINK linkid  
DMTCMX660I FILE spoolid INACTIVE ON LINK linkid  
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN  
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid  
DMTNPT581E FILE spoolid NOT ACTIVE  
DMTSML581E FILE spoolid NOT ACTIVE  
DMTCMX664E FILE spoolid NOT FOUND  
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN  
DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO locid2 userid2  
DMTAXS102I FILE spoolid PENDING FOR LINK linkid  
DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}  
DMTNPT580I FILE spoolid PROCESSING TERMINATED  
DMTSML580I FILE spoolid PROCESSING TERMINATED  
DMTAXS105I FILE spoolid PURGED  
DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS  
DMTAXS522I FILE spoolid RELEASED FOR LINK linkid

DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss

DMTCMX001I FREE STORAGE = nn PAGES

DMTNPT170I FROM linkid: (MSG message text)  
DMTSML170I FROM linkid: (MSG message text)

DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw  
DMTSML070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw

DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED  
DMTSML934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED

DMTRET091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

DMTCMX201E INVALID COMMAND command  
DMTINI480E INVALID CYLINDER NUMBER - REENTER  
DMTINI479E INVALID DEVICE ADDRESS - REENTER  
DMTCMX204E INVALID KEYWORD keyword  
DMTCMX202E INVALID LINK linkid  
DMTCMX206E INVALID OPTION keyword option  
DMTINI481E INVALID REPLY - ANSWER "YES" OR "NO"  
DMTSML906E INVALID SML BUFFER PARAMETER -- LINK linkid NOT ACTIVATED  
DMTSML901E INVALID SML MODE SPECIFIED -- LINK linkid NOT ACTIVATED  
DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid  
DMTSML190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid  
DMTCMX203E INVALID SPOOL FILE ID spoolid



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DMTCMX208E INVALID USER ID userid

DMTINI402T IPL DEVICE READ I/O ERROR
DMTINI431S IPL DEVICE WRITE I/O ERROR

DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED
DMTNPT160I LINE vaddr DISABLED FOR LINK linkid
DMTSML160I LINE vaddr DISABLED FOR LINK linkid
DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSML141I LINE vaddr READY FOR CONNECTION TO LINK linkid

DMTSML935E LINK linkid IN RJE MODE -- PRINT FILE (spoolid) PURGED
DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}
DMTCMX551E LINK linkid ACTIVE -- NOT DELETED
DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED
DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n
DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED
DMTCMX750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN
DMTNPT612E LINK linkid ALREADY IN HOLD STATUS
DMTSML612E LINK linkid ALREADY IN HOLD STATUS
DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE
DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE
DMTRES002I LINK linkid DEACTIVATED
DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m
DMTNPT801I LINK linkid ERROR TRACE STARTED
DMTSML801I LINK linkid ERROR TRACE STARTED
DMTCMX003I LINK linkid EXECUTING: (command line text)
DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTSML611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED
DMTCMX651I LINK linkid INACTIVE
DMTCMX671I LINK linkid INACTIVE
DMTCMX303E LINK linkid IS NOT ACTIVE
DMTCMX302E LINK linkid IS NOT DEFINED
DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTSML142I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTSML143I LINK linkid LINE vaddr DISCONNECTED
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTSML149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED
DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED
DMTNPT591E LINK linkid NOT IN HOLD STATUS
DMTSML591E LINK linkid NOT IN HOLD STATUS
DMTCMX550I LINK linkid NOW DELETED
DMTNPT570I LINK linkid NOW SET TO DEACTIVATE
DMTSML570I LINK linkid NOW SET TO DEACTIVATE
DMTCMX654I LINK linkid Q=m P=n
DMTAXS523I LINK linkid QUEUE REORDERED
DMTCMX541I LINK linkid REDEFINED
DMTNPT590I LINK linkid RESUMING FILE TRANSFER
DMTSML590I LINK linkid RESUMING FILE TRANSFER
DMTCMX752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET
DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTSML610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTNPT810E LINK linkid TRACE ALREADY ACTIVE
DMTSML810E LINK linkid TRACE ALREADY ACTIVE
DMTNPT803I LINK linkid TRACE ENDED
DMTSML803I LINK linkid TRACE ENDED
DMTNPT811E LINK linkid TRACE NOT ACTIVE
DMTSML811E LINK linkid TRACE NOT ACTIVE
DMTNPT802I LINK linkid TRACE STARTED
DMTSML802I LINK linkid TRACE STARTED

DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED

DMTCMX540I NEW LINK linkid DEFINED

DMTNPT511E NO FILE ACTIVE ON LINK linkid
DMTSML511E NO FILE ACTIVE ON LINK linkid
DMTCMX672I NO LINK ACTIVE
DMTCMX673I NO LINK DEFINED
DMTNPT936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED

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DMTNPT902E NON-SIGNON CARD READ ON LINK linkid  
DMTSML902E NON-SIGNON CARD READ ON LINK linkid  
  
DMTINI409R NUCLEUS CYL ADDRESS = nnn  
DMTINI483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE  
  
DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID  
DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID  
  
DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)  
DMTSML145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)  
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)  
DMTSML144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)  
  
DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING  
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE  
  
DMTINI407R REWRITE THE NUCLEUS? (YES|NO)  
  
DMTCMX200I RSCS  
DMTREX000I RSCS (VER v, LEV l, mm/dd/yy) READY  
DMTCMX560I RSCS DISCONNECTING  
  
DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn  
DMTSML146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn  
DMTNPT147I SENT: FILE spoolid ON LINK linkid  
DMTSML147I SENT: FILE spoolid ON LINK linkid  
  
DMTNPT905I SIGNON OF LINKID linkid COMPLETE  
DMTSML905I SIGNON OF LINKID linkid COMPLETE  
DMTNPT904E SIGNON PARAMETER="parameter" INVALID  
DMTNPT907E SIGNON TYPE PARAMETER MISSING  
  
| DMTINI406R SYSTEM DISK ADDRESS = cuu  
| DMTINI482E SYSTEM DISK ERROR -- REENTER  
  
DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid  
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid  
DMTSML108E SYSTEM ERROR READING SPOOL FILE spoolid  
  
DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED  
  
DMTCMX561E USERID userid NOT RECEIVING  
  
DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED



DYNAMICALLY MODIFIED CHANNEL PROGRAMS

In general, virtual machines may not execute channel programs that are dynamically modified (that is, channel programs that are changed between the time the START I/O (SIO) is issued and the time the input/output ends, either by the channel program itself or by the CPU).

Exceptions (that is, dynamically modified channel programs given special consideration by CP) are:

- Those generated by the Indexed Sequential Access Method (ISAM) running under OS/PCP, OS/MFT, and OS/MVT
- Those generated by ISAM running in an OS/VS virtual=real partition
- Those generated by the OS/VS Telecommunications Access Method (TCAM) Level 5, with the VM/370 option
- Those containing polling sequences

The self-modifying channel programs that ISAM generates for some of its operations receive special handling if the virtual machine using ISAM has that option specified in its VM/370 directory entry. There is no such restriction for DOS ISAM, or for ISAM if it is running in an OS/VS virtual=virtual partition. If ISAM is to run in an OS/VS virtual=real partition, you must specify the ISAM option in the VM/370 directory entry for the OS/VS virtual machine.

Virtual machines using OS/VS TCAM (Level 5, generated or invoked with the VM/370 option) issue a DIAGNOSE instruction when the channel program is modified. This instruction causes CP to reflect the change in the virtual CCW string to the real CCW string being executed by the channel. CP is then able to execute the dynamically modified channel program properly.

| When a virtual machine starts a channel program containing a polling  
| sequence, the CCW translation sets a PCI bit in the real CCW string.  
| Each time the real CCW string is executed, the resulting PCI  
| interruption causes CP to examine the corresponding virtual CCW string  
| for changes. Any changes to the virtual CCW string are also made to the  
| real CCW string while it is executing.

The restriction against dynamically modified channel programs does not apply if the virtual machine has the virtual=real performance option and the NOTRANS option has been set on.

MINIDISK RESTRICTIONS

The following restrictions exist for minidisks:

1. In the case of read home address with the skip bit off, VM/370 modifies the home address data in user storage at the completion of the channel program because the addresses must be converted for minidisks; therefore, the data buffer area may not be dynamically modified during the input/output operation.

2. On a minidisk, if a CCW string uses multitrack search on input/output operations, subsequent operations to that disk must have preceding seeks or continue to use multitrack operations. There is no restriction for dedicated disks.
3. OS/PCP, MFT, and MVT ISAM or OS/VS ISAM running virtual=real may be used with a minidisk only if the minidisk is located at the beginning of the physical disk (that is, at cylinder zero). There is no such restriction for DOS ISAM or OS/VS ISAM running virtual=virtual.
4. VM/370 does not return an end-of-cylinder condition to a virtual machine that has a virtual 2311 mapped to the top half (that is, tracks 0 through 9) of 2314 or 2319 cylinders.
5. If the user's channel program for a minidisk does not perform a seek operation, then to prevent accidental accessing, VM/370 inserts a positioning seek operation into the user's channel program. Thus, certain channel programs may generate a condition code (CC) of zero on a SIO instead of an expected CC of one, which is reflected to the virtual machine. The final status is reflected to the virtual machine as an interrupt.
6. A DASD channel program directed to a 3330, 3340, or 3350 device may give results on dedicated drives which differ from results on minidisks having non-zero relocation factors if the channel program includes multiple-track operations and depends on a search ID high or a search ID equal or high to terminate the program. This is because the record 0 count fields on the 3330, 3340, and 3350 must contain the real cylinder number of the track on which they reside. Therefore, a search ID high, for example, based on a low virtual cylinder number may terminate prematurely if a real record 0 is encountered.

Note: Minidisks with non-zero relocation factors on 3330, 3340, and 3350 devices are not usable under OS and OS/VS systems. This is because the locate catalog management function employs a search ID equal or high CCW to find the end of the VTOC.

7. The IBCDASDI program cannot assign alternate tracks for a 3330, 3340, or 3350 minidisk.
8. If the DASD channel programs directed to 3330/3340/3350 devices include a write record R(0), results differ depending on whether the 3330/3340/3350 is dedicated (this includes a minidisk defined as the entire device) or nondedicated. For a dedicated 3330/3340/3350, a write R(0) is allowed, but the user must be aware that the track descriptor record may not be valid from one 3330/3340/3350 to another. For a nondedicated 3330/3340/3350, a write record R(0) is replaced by a read record R(0) and the skip flag is set on. This could result in a command reject condition due to an invalid command sequence.
9. When performing DASD I/O, if the record field of a search ID argument is zero when a virtual Start I/O is issued, but the search ID argument is dynamically read by the channel program before the search ID CCW is executed, then the real search ID uses the relocated search argument instead of the argument that was read dynamically. To avoid this problem, the record field of a search ID argument should not be set to binary zero if the search argument is to be dynamically read or if a search ID on record 0 is not intended.

## TIMING DEPENDENCIES

Timing dependencies in input/output devices or programming do not function consistently under VM/370:

1. The following telecommunication access methods (or the designated option) violate the restriction on timing dependency by using program-controlled interrupt techniques and/or the restriction on dynamically modified channel programs:

- OS Basic Telecommunications Access Method (BTAM) with the dynamic buffering option.
- OS Queued Telecommunications Access Method (QTAM).
- DOS Queued Telecommunications Access Method (QTAM).
- OS Telecommunications Access Method (TCAM).
- OS/VS Telecommunications Access Method (TCAM) Level 4 or earlier, and Level 5 if TCAM is not generated or invoked with the VM/370 option.

These access methods may run in a virtual-real machine with CCW translation suppressed by the SET NOTRANS ON command. Even if SET NOTRANS ON is issued, CCW translation will take place if one of the following conditions is in effect:

- The channel program is directed at an a nondedicated device (such as a spooled unit record device, a virtual CTCAs, a minidisk, or a console).
- The channel program starts with a SENSE operation code.
- The channel program is for a dialed terminal.
- START I/O tracing is in effect.
- The CAW is in page zero or beyond the end of the virtual-real area.

(OS BTAM can be generated without dynamic buffering, in which case no virtual machine execution violations occur. However, the BTAM reset poll macro will not execute under VM/370 if issued from third level storage. For example, a reset poll macro has a NOP effect if executed from a virtual-virtual storage under VS1 which is running under VM/370.)

2. Programming that makes use of the PCI channel interrupt for channel program modification or processor signalling must be written so that processing can continue normally if the PCI is not recognized until I/O completion or if the modifications performed are not executed by the channel.
3. Devices that expect a response to an interrupt within a fixed period of time may not function correctly because of execution delays caused by normal VM/370 system processing. An example of such a device is the IBM 1419 Magnetic Character Reader.
4. The operation of a virtual block multiplexer channel is timing dependent. For this reason, the channel appears available to the virtual machine operating system, and channel available interrupts are not observed. However, operations on virtual block-multiplexing

devices should use the available features like Rotational Position Sensing to enhance utilization of the real channels.

#### CPU MODEL-DEPENDENT FUNCTIONS

On the System/370 Model 158 only, the virtual machine assist feature cannot operate concurrently with the 7070/7074 compatibility feature (Feature #7117).

Programs written for CPU model-dependent functions may not execute properly in the virtual machine under VM/370. The following points should be noted:

1. Programs written to examine the machine logout area do not have meaningful data since VM/370 does not reflect the machine logout data to a virtual machine.
2. Programs written to obtain CPU identification (via the Store CPU ID instruction, STIDP) receive the real machine value. When the STIDP instruction is issued by a virtual machine, the version code contains the value 255 in hexadecimal ("FF") to represent a virtual machine.
3. Programs written to obtain channel identification (via the Store Channel ID instruction, STIDC) receive information from the virtual channel block. Only the virtual channel type is reflected; the other fields contain zeros.
4. No simulation of other CPU models is attempted by VM/370.

#### VIRTUAL MACHINE CHARACTERISTICS

Other characteristics that exist for a virtual machine under VM/370 are as follows:

1. If the virtual=real option is selected for a virtual machine, input/output operations specifying data transfer into or out of the virtual machine's page zero, or into or out of storage locations whose addresses are greater than the storage allocated by the virtual=real option, must not occur. The storage-protect-key mechanism of the IBM System/370 CPU and channels operates in these situations but is unable to provide predictable protection to other virtual machines. In addition, violation of this restriction may compromise the integrity of the system. The results are unpredictable.
2. VM/370 has no multiple path support and, hence, does not take advantage of the two-channel switch. However, a two-channel switch can be used between the IBM System/370 running a virtual machine under VM/370 and another CPU.
3. The DIAGNOSE instruction cannot be issued by the virtual machine for its normal function. VM/370 uses this instruction to allow the virtual machine to communicate system services requests. The Diagnose interface requires the operand storage addresses passed to it to be real to the virtual machine issuing the DIAGNOSE instruction. For more information about the DIAGNOSE instruction in a virtual machine, see the VM/370: System Programmer's Guide.

4. A control unit normally never appears busy to a virtual machine. An exception exists when a forward space file or backward space file command is executed for a tape drive. Subsequent I/O operations to the same virtual control unit result in a control unit busy condition until the forward space file or backward space file command completes. If the real tape control unit is shared by more than one virtual machine, a control unit busy condition is reflected only to the virtual machine executing the forward space file or backward space file command. When a virtual machine attempts an I/O operation to a device for which its real control unit is busy, the virtual machine is placed in I/O wait (nondispatchable) until the real control unit is available. If the virtual machine executed a SIOF instruction (rather than SIO) and was enabled for block-multiplexing, it is not placed in I/O wait for the above condition.
5. The CP IPL command cannot simulate self-modifying IPL sequences off dedicated unit record devices or certain self-modifying IPL sequences off tape devices.
6. The VM/370 spooling facilities do not support punch-feed-read, stacker selection, or column binary operations. Detection of carriage control channels is supported for a virtual 3211 only.
7. VM/370 does not support count control on the virtual 1052 operator's console.
8. Programs that use the integrated emulators function only if the real computing system has the appropriate compatibility feature. VM/370 does not attempt simulation. The DOS emulator running under OS or OS/VS is not supported under VM/370.
9. The READ DIRECT and WRITE DIRECT instructions are not supported for a virtual machine.
10. The System/370 SET CLOCK instruction cannot be simulated and, hence, is ignored if issued by a virtual machine. The System/370 STORE CLOCK instruction is a nonprivileged instruction and cannot be trapped by VM/370; it provides the true TOD clock value from the real CPU.
11. The 1050/1052 Model 2 Data Communication System is supported only as a keyboard operator's console. Card reading, paper tape I/O, and other modes of operation are not recognized as unique, and hence may not work properly. This restriction applies only when the 1050 system is used as a virtual machine operator's console. It does not apply when the 1050 system is attached to a virtual machine via a virtual 2701, 2702, or 2703 line.
12. The pseudo-timer (usually device address OFF, device type TIMER) does not return an interrupt from a Start I/O; therefore, do not use EXCP to read this device.
13. A virtual machine device IPL with the NOCLEAR option overlays one page of virtual machine storage. The IPL simulator uses one page of the virtual machine to initiate the IPL function. The starting address of the overlaid page is either the result of the following formula:

virtual machine size  
 ----- = starting address of the overlaid page  
 2

or the hexadecimal value 20000, whichever is smaller.



14. To maintain system integrity, data transfer sequences to and from a virtual system console are limited to a maximum of 2032 bytes. Channel programs containing data transfer sequences that violate this restriction are terminated with an interrupt whose CSW status indicates incorrect length and a channel program check.

Note: A data transfer sequence is defined as one or more read or write CCWs connected via chain data. The introduction of command chaining defines the start of a new data transfer sequence.

15. When an I/O error occurs on a device, the System/370 hardware maintains a contingent connection for that device until a SENSE channel command is executed and sense data is recorded. That is, no other I/O activity can occur on the device during this time. Under VM/370, the contingent connection is maintained until the SENSE command is executed, but I/O activity from other virtual machines can begin on the device while the sense data is being reflected to the virtual machine. Therefore, the user should be aware that on a shared disk, the access mechanism may have moved during this time.
16. The mode setting for 7-track tape devices is maintained by the control unit. Therefore, when a virtual machine issues the SET MODE channel command to a 7-track tape device, it changes the mode setting of all 7-track tape devices attached to that control unit.

This has no effect on virtual machines (such as OS or DOS) that issue SET MODE each time a CCW string is to be executed. However, it can cause a problem if a virtual machine fails to issue a SET MODE with each CCW string executed. Another virtual machine may change the mode setting for another device on the same control unit, thereby changing the mode setting of all 7-track tape devices attached to that control unit.

17. OS/VS2 is supported in uniprocessor mode only.
18. A shared system or one that uses discontinuous saved segments cannot be loaded (via IPL) into a virtual machine running in the virtual=real area.
19. The DUMMY feature for VSAM data sets is not supported and should not be used at program execution time. Specifying this option on the DLBL command will cause an execution-time OPEN error. See VM/370: System Messages for additional information.

#### CMS RESTRICTIONS

The following restrictions apply to CMS, the conversational subsystem of VM/370:

1. CMS executes only on a virtual IBM System/370 provided by VM/370.
2. The maximum sizes in cylinders of CMS minidisks are as follows:

<u>Disk</u>	<u>Maximum Cylinders</u>	<u>CMS/VSAM</u>
2314/2319	203	200
3330 Series	246	404
3340 Model 35	349	348
3340 Model 70/3344	682	696
3350 Series	115	not supported in native mode

3. CMS employs the spooling facilities of VM/370 to perform unit record I/O. However, a program running under CMS can issue its own SIOs to attached dedicated unit record devices.
4. Only those OS and DOS facilities that are simulated by CMS can be used to execute OS and DOS programs produced by language processors under CMS.
5. Many types of object programs produced by CMS (and OS) languages can be executed under CMS using CMS's simulation of OS supervisory functions. Although supported in OS and DOS virtual machines under VM/370, the writing and updating of non-VSAM OS data sets and DOS files are not supported under CMS.
6. CMS can read sequential and partitioned OS data sets and sequential DOS files, by simulating certain OS macros.

The following restrictions apply when CMS reads OS data sets that reside on OS disks:

- Read-password-protected data sets are not read unless they are VSAM data sets.
- BDAM and ISAM data sets are not read.
- Multivolume data sets are read as single-volume data sets. End-of-volume is treated as end-of-file and there is no end-of-volume switching.
- Keys in data sets with keys are ignored and only the data is read, except for VSAM.
- User labels in user-labeled data sets are bypassed.

The following restrictions apply when CMS reads DOS files that reside on DOS disks:

- Only DOS sequential files can be read. CMS options and operands that do not apply to OS sequential data sets (such as the MEMBER and CONCAT options of FILEDEF and the PDS option of MOVEFILE) also do not apply to DOS sequential files.
- The following types of DOS files cannot be read:
  - DOS DAM and ISAM files.
  - Files with the input security indicator on.
  - DOS files that contain more than 16 extents. (Note: User labels occupy the first extent; therefore, the file can hold only 15 additional data extents.)
- Multivolume files are read as single-volume files. End-of-volume is treated as end-of-file. There is no end-of-volume switching.
- User labels in user-labeled files are bypassed.
- Since DOS files do not contain BLKSIZE, RECFM, or LRECL parameters, these parameters must be specified via FILEDEF or DCB parameters; otherwise, defaults of BLOCKSIZE=32760 and RECFM=U are assigned. LRECL is not used for RECFM=U files.

- CMS does not support the use of OS/VS DUMMY VSAM data sets at program execution time, since the CMS/DOS implementation of the DUMMY statement corresponds to the DOS/VS implementation. Specifying the DUMMY option with the DLBL command will cause an execution-time error.
7. Assembler program usage of VSAM and the ISAM Interface Program (IIP) is not supported.

#### MISCELLANEOUS RESTRICTIONS

1. If you intend to run VM/370 Release 1 and pre-PLC 9 Release 2 systems alternately, apply Release 1 PLC 14 or higher (APAR V1179) to your Release 1 system, to provide compatibility and to prevent loss of spool files in case of a warm start. Changes to the spool file format in PLC 9 of Release 2 require a cold start when switching between pre-Release 2 PLC 9 and post-Release 2 PLC 9 systems.
2. The number of pages used for input/output must not exceed the total number of user pages available in real storage. Violation of this restriction causes the real computing system to be put into an enabled wait state.
3. If you intend to define more than 73 virtual devices for a single virtual machine, be aware that any single request for free storage in excess of 512 doublewords (a full page) may cause the VM/370 system to abnormally terminate (ABEND code PTR007) if the extra storage is not available on a contiguous page. Therefore, two contiguous pages of free storage must be available in order to log on a virtual machine with more than 73 virtual devices (three contiguous pages for a virtual machine with more than 146 virtual devices, etc.). Contiguous pages of free storage are sure to be available only immediately after IPL, before other virtual machines have logged on. Therefore, a virtual machine with more than 73 devices should be the first to log on after IPL. The larger the real machine size, the lesser the possibility of this occurring.
4. For remote 3270s, VM/370 supports a maximum of 16 binary synchronous lines, minus the number of 3704/3705 Communications Controllers in NCP mode minus one (if there are any 3704/3705 Communications Controllers in emulation mode).
5. If an I/O device (such as a disk or tape drive) drops ready status while it is processing virtual I/O activity, any virtual machine users performing I/O on that device are unable to continue processing or to log off. Also, the LOGOFF and FORCE commands are not effective because they do not complete until all outstanding I/O is finished. The system operator should determine which I/O device is involved and make that device ready once more.

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This space has been reserved for the convenience of the user, to insert any pertinent messages related to Program Products.



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# Technical Newsletter

This Newsletter No. GN20-2690  
Date October 15, 1976  
Base Publication No. GC20-1808-7  
File No. S370-40 (VM/370  
Release 3 PLC 8)  
Previous Newsletters None

## IBM Virtual Machine Facility/370: System Messages

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This Technical Newsletter, a part of Release 3 PLC 8 of IBM Virtual Machine Facility/370, provides replacement pages for your publication. These replacement pages remain in effect for subsequent VM/370 releases unless specifically altered. Pages to be removed and/or inserted are listed below.

Title page, 2	133-134.1	239-242
Summary of	199,200	257,258
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Changes or additions to the text and illustrations are indicated by a vertical line to the left of the change.

### SUMMARY OF AMENDMENTS

This Technical Newsletter incorporates changes reflecting support for using DOS/VS Release 33 to install the CMSVSAM and CMSAMS discontinuous saved segments.

Note: Please file this cover letter at the back of your publication to provide a record of changes.

IBM Corporation, VM/370 Publications, Dept. D58, Building 706-2, P.O. Box 390,  
Poughkeepsie, New York 12602

Printed in U.S.A.

#### CPEREP COMMAND ENHANCEMENT

Changed: Program and Documentation

The VM/370 CPEREP command has been expanded to include most of the function provided by the OS/VS2 EREP. New messages have been added for this new function.

In addition, the module that provides the interface to the EREP modules and the module that provides the linkage to the VM/370 error recording cylinders have been renamed to agree with VM/370 standards. CPREAD has been renamed DMSREA; CPEREP has been renamed DMSIFC.

The Conversational Monitor System message section and the appendixes reflect these changes and additions. With the expanded OS/VS2 EREP support, IFC messages in the EREP message section (formerly labeled CPEREP Messages) have been modified to reflect the VM/370 interface to these OS/VS2 EREP messages.

Messages affected by CPEREP modification are as follows:

DMSIFC002E	DMSIFC825E	IFC010I
DMSIFC007E	DMSIFC826E	IFC013I
DMSIFC023E	DMSIFC827I	IFC015I
DMSIFC066E	DMSIFC828I	IFC017I
DMSIFC070E	DMSIFC829W	IFC018I
DMSIFC104C	DMSIFC831E	IFC019I
DMSIFC113E	DMSIFC830E	IFC01A1
		IFC01B1

The DMKIFC messages have been deleted.

#### VM/370 SUPPORT OF NEW SYSTEM/370 MODELS

New: Device Support

VM/370 supports the IBM System/370 Models 135-3, 138, 145-3, and 148. Module DMKCSO has been split and several messages produced by it are now produced by a new module, DMKCSB. Two new messages, DMKCPI185E and DMKCF0186E, refer to CP assist and are issued by system initialization and the SET command, respectively.

#### FREE STORAGE ALLOCATION

Changed: Program and Documentation

A new operand (FREE) in the SYSCOR system generation macro statement allows an installation to specify the number of free storage pages to be allocated at VM/370 initialization. With this option, a new message, DMKCPI957I, has been added to provide the system operator with a VM/370 storage map.

#### VIRTUAL TIMER ASSIST

New: Program Feature

A new operand of the CP SET command, TMR enables you to set on the virtual interval timer assist feature if your CPU has the appropriate hardware assist. This causes the virtual interval timer to be updated by the hardware in the same way as the real interval timer. A new message, DMKCF0187E, indicates when this feature is not available.

#### CP SET COMMAND MODULE SPLIT

New: Program and Documentation

The SET command module, DMKCF0, has been split into two modules with system operator functions staying in DMKCF0, but all user SET messages moving to DMKCF0. DMKCF0 messages are as follows:

DMKCF0003E	DMKCF0184E
DMKCF0026E	DMKCF0187E
DMKCF0183E	

DMKCF0 messages are as follows:

DMKCF0003E	DMKCF0041E
DMKCF0006E	DMKCF0045E
DMKCF0013E	DMKCF0046E
DMKCF0020E	DMKCF0140E
DMKCF0021E	DMKCF0143E
DMKCF0026E	DMKCF0175E
DMKCF0040E	DMKCF0184E

#### MISCELLANEOUS

Changed: Program and Documentation

Many technical and editorial changes have been made to this publication. Information in the appendixes has been rearranged to be more useful.

VM/370 SUPPORTS 3705-II COMMUNICATIONS  
CONTROLLER AND CHANNEL ADAPTER TYPE 4

The return code for message DMSNCP099W has  
been changed.

New: Program Feature

VM/370 now supports a new version of the 3705 Communications Controller, the 3705-II, which incorporates technology and design changes. The 3705-II has monolithic storage and contains modifications to the central control unit (CCU) that significantly reduce machine cycle time.

The Channel Adapter Type 4 improves Emulation Mode operation.

The following messages have been added:

DMSNCP025E                    DMSNCP045E

VM/370 SUPPORTS OS/VS AND DOS/VS ANALYSIS  
PROGRAM-1 (AP-1)

New: Program Feature

The OS/VS and DOS/VS Analysis Program-1 (AP-1) is a user utility program that analyzes input/output problems on 3344 and 3350 direct access storage devices. Messages issued by this program are described in the OS/VS and DOS/VS Analysis Program-1 (AP-1) User's Guide, Order No. GC20-3855.

MANUAL REFORMATTED

Changed: Documentation only

This manual has been reformatted for this release. The messages are grouped by component code, as they were before, but they are now listed in order by message number and severity code. The text and meaning of all messages with the same message number and severity code is basically the same. Sometimes minor variations occur depending on the module that issues the message. Variations in the message texts are indicated with braces and brackets. Variations in the explanations or actions are described where appropriate.

"Appendix A. Command-to-Message Cross-Reference" remains the same.

The new "Appendix B. Message Summary Alphanumerically by Message Identifier" lists all the VM/370 messages in alphanumeric order.

The new "Appendix C. Message-to-Module Cross-Reference" lists the message identifiers in order by message number and severity code, so that users can look up a message number and find all the modules that issue that message.

The new "Appendix D. Message Text-to-Message Identifier Cross-Reference" lists the messages alphabetically by text, with their associated identifiers to the left. Users who run their virtual machines without having set EMSC on should find this appendix useful when they want to find out the identifier of a message they have received.

CMS SUPPORT OF VSAM

New: Program Feature

VM/370 now provides VSAM and Access Method Services support for DOS/VS, OS/VS, and CMS programs running under CMS. CMS supports VSAM via integration of the DOS/VS VSAM component and simulation of DOS/VS supervisor and I/O function. With this support, new messages are produced by the following new or existing modules:

DMSAMS DMSDLB DMSLDS DMSSTT DMSVGN DMSVIB

CMS SUPPORT OF DOS/VS PROGRAM EXECUTION

New: Program Feature

CMS now provides DOS/VS installations with interactive capabilities for development, compilation, testing, and updating of many

types of DOS application programs in the DOS environment under CMS. In the DOS environment, CMS simulates DOS/VS supervisor and I/O functions, and appears to DOS programs as a single-partition, non-multitasking DOS/VS system.

With this support, new messages are produced by the following new or existing modules:

DMSASN DMSBOP DMSCLS DMSCMS DMSDLB DMSDLK  
DMSDMP DMSDOS DMSDSL DMSDSV DMSERV DMSFCH  
DMSFET DMSGLE DMSLLU DMSOPL DMSOPT DMSOR1  
DMSPPD DMSPRV DMSQRY DMSRRV DMSSET DMSRRV  
DMSXCP

IMPROVED 3704/3705 INSTALLATION SUPPORT

New: Program Feature

CMS now provides an interface to the 3704/3705 Assembler (DMSARX) included with NCP/VS Release 4 to allow installation under CMS of a Release 4 3704/3705 control program. In addition, to improve the procedure for installing the CMS MACLIBS necessary for VM/370 generation of a 3704/3705 control program, CMS has a new command, TAPEMAC. All the new DMSARX and DMSTMA messages added for this support are included.

SHARED SEGMENT PROTECTION

New: Program Feature

Shared Segment Protection (SSP) now allows shared, named CMS systems to benefit from the Virtual Machine Assist feature.

The following messages have been deleted:

DMKCFD161E DMKTRA181E DMKCFSS185E

The following messages have been added:

DMKVMA181E DMKVMA456W

Message DMKCD5161E has been changed.

IMPROVED SPOOL FILE RECOVERY

New: Program Feature

VM/370 now dynamically checkpoints each change of status for all closed spool files, open console files, and spooling devices. The checkpoint data is stored on checkpoint cylinders located on auxiliary DASD. If the

normal warmstart procedure cannot be performed, a request for a checkpoint (CKPT) start will retrieve the data from the checkpoint cylinders and recreate the spool file chains. A force (FORCE) start is also provided to force a checkpoint start and bypass any files that cannot be recreated. The following changes to this manual reflect this new support:

- The wait state code section in the "Introduction" has been updated to reflect the addition of checkpoint (CKPT) start. A new wait state code, 00E, has been added.
- Four additional ABEND codes, CKS001 through CKS004, have been added to "Figure 1. CP ABEND Codes."
- The following messages, issued by DMKCKS, have been added to "Control Program (CP) Messages."

DMKCKS400I	DMKCKS915E
DMKCKS401I	DMKCKS916E
DMKCKS903W	DMKCKS917E
DMKCKS912W	DMKCKS919E
- The text of other messages has been updated to reflect the new checkpoint and force restart options.

#### NEW DEVICE SUPPORT

##### New: Program Feature

VM/370 now supports the IBM 3350 Direct Access Storage, Models A2 and B2, in native mode and in 3330/3333 Model 1 and 11 compatibility mode.

#### IPL COMMAND MESSAGES CHANGED

##### Changed: Program and Documentation

All messages produced by the IPL command now have module code CFG instead of CFP in the message identifier.

#### HALT AND VARY COMMAND MESSAGES CHANGED

##### Changed: Program and Documentation

All messages produced by the CP commands HALT and VARY now have module code CPS instead of CPV in the message identifier.

#### SRP2780 MESSAGES DELETED

##### Changed: Program and Documentation

Since the functions of the standalone Spool Remote 2780 Program are performed by the Remote Spooling Communications Subsystem of VM/370, the Spool Remote 2780 Program is no longer supported. All DMKSRP messages have been removed from this manual.

#### NEW VM/370 COMPONENT, IPCS

##### New: Program Feature

A new VM/370 component, the Interactive Problem Control System (IPCS), provides VM/370 problem analysis and management facilities. All IPCS messages are contained in the VM/370: Interactive Problem Control System (IPCS) User's Guide.

CMS SUPPORT OF DOS/VS RELEASE 33

New: Program Feature

DOS/VS Release 33 can now be used to install the CMSVSAM and CMSAMS discontiguous saved segments. The VSAMGEN EXEC procedure now issues a prompting message to ask what release level of DOS/VS is being used. An error message is issued if the response to this message is not 31, 32, or 33.

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