



**NOS/BE VERSION 1
DIAGNOSTIC HANDBOOK**

CDC® COMPUTER SYSTEMS:

CYBER 180

CYBER 170

CYBER 70

MODELS 71, 72, 73, 74

6000

FDB RETURN CODES

<u>Return Codes</u> (Octal)	<u>Meaning</u>	<u>Return Codes</u> (Octal)	<u>Meaning</u>
000	Function successful	027	Illegal lfn
001	PFN/ID error	030	File dumped
002	lfn already in use	031	Illegal function code
003	Unknown lfn	032	Purge attempt ignored; use RB parameter
005	Permanent file catalog (PFC) full	033	ALTER needs exclusive access
006	No lfn or pfn	034	FDB is too large
007	Not used	035	File already in system
010	Latest index not written for a random file	036	No APF space
011	File not on permanent file device	037	Permission conflicts
012	File not cataloged, SN=setname (setname is the set name of the device set searched)	040	Illegal setname specified
013	Archive retrieval aborted	041	Device set not mounted at control point
014	Bad LPF communication	042	RBT chain too large for PFC
015	Cycle number limit reached; maximum value of cycle number is 999	043	File resides on unavailable device
016	Permanent file directory (PFD) full	044	File not available
017	Function attempted on non-permanent file	045-067	Not used
020	Function attempted on nonlocal file	070	PFM stopped by system
021	Improper archive retrieval call	The following conditions will unconditionally cause abnormal job termination.	
022	File never assigned to a device	071	Incorrect permission
023	Cycle incomplete or dumped	072	File definition block address invalid (not returned to FDB)
024	Permanent file already attached	073	I/O error on PFD/PFC read/write
025	File archived	074	Illegal function attempt on incomplete cycle
026	Illegal character in FDB parameter		



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REVISION RECORD

REVISION	DESCRIPTION
A (11-01-75)	Original release.
B (07-16-76)	Updated to reflect the release of NOS/BE version 1.1. All messages have been merged into one alphabetic list. Loader messages now appear only in the CYBER Loader Reference Manual. The following features are included: 844-41/44 Support (145), 844 Expander Support (169), 844 Factory Format Support (83), Stack Processor Restructure (133), Job Management and SCP Enhancements (159, 163).
C (04-29-77)	Updated to reflect the release of NOS/BE version 1.2 at PSR level 447. The following features are included: CYBER Control Language (CCL) Interface, Customer Engineer Validation Interface, and LDCMR Upgrade. LDCMR messages have been removed from the NOS/BE System Programmer's Reference Manual and appear in this manual only. Because of extensive changes to this manual, chart tape and dots are not used and all pages reflect the latest revision level. This edition obsoletes all previous editions.
D (08-19-77)	Updated to support NOS/BE 1.2 at PSR level 454 and to make editorial and technical corrections. Support of CYBER 170 model 171 is included.
E (06-06-78)	Updated to support the release of NOS/BE version 1.3 at PSR level 473. The following features are included: Advanced Tape Subsystem Extensions, Enhanced Station Improvements, Permanent File Reliability, Availability, and Maintainability Improvements, Line Status Display, INTERCOM 5.0, and Communications Control for INTERCOM (CCI) 3. Messages that begin with a variable field are now at the end of the listing. Due to the extensive changes to this manual, chart tape and dots are not used and all pages reflect the latest revision level. This edition obsoletes all previous editions.
F (10-20-78)	Updated to reflect NOS/BE at PSR level 481. This revision makes various editorial and technical corrections.
G (02-15-79)	Updated to reflect NOS/BE at PSR level 488.
H (07-20-79)	Updated to support NOS/BE version 1.3, at PSR level 499. This revision adds diagnostics for EXPORT High Speed and improved load leveling and makes corrections, expands explanations, and supplies missing routine names. This edition obsoletes all previous editions.
J (12-21-79)	Updated to reflect NOS/BE version 1.4 at PSR level 508. This revision adds diagnostics for FMD (885 disk drive) support, common testing and initialization (CTI) support, RMS deadstart, deadstart dump analyzer (DSDUMP), and CYBERLOG support. This revision makes editorial and technical corrections, expands explanations, and supplies missing routine and output file names. This edition obsoletes all previous editions.
K (05-19-80)	Updated to reflect NOS/BE version 1.4 at PSR level 518. In addition to making many technical corrections and supplying missing column entries, this revision incorporates diagnostics for the downline loading of controlware in 7021, 7054, 7152, 7154, and 7155 controllers and incorporates diagnostics for remote batch accounting. Because of extensive changes to this manual, chart tape and dots are not used, and all pages reflect the latest revision level. This edition obsoletes all previous editions.
L (11-17-80)	Updated to reflect NOS/BE version 1.4 at PSR level 530. This revision incorporates the fixed assignment of user/terminal IDs and the relocation of INTERCOM system tables from CM resident to the managed buffer area. This edition obsoletes all previous editions.
Publication No. 60494400	

REVISION LETTERS I, O, Q, S, X AND Z ARE NOT USED.

Address comments concerning this manual to:

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or use Comment Sheet in the back of this manual.

REVISION RECORD

REVISION	DESCRIPTION
<p>M (04-20-81)</p>	<p>Updated to reflect NOS/BE version 1.5 at PSR level 538. This revision incorporates support for SECEDED logging Phase II and BINEDIT, a CTI/HIVS binary patch utility. This revision deletes the output column from all message descriptions and makes numerous editorial and technical corrections. In addition, it removes all material concerning INTERCOM 4 to coincide with the withdrawal of support for INTERCOM 4. Because of extensive changes to this manual, chart tape and dots are not used, and all pages reflect the latest revision level. This edition obsoletes all previous editions.</p>
<p>N (11-23-81)</p>	<p>Updated to reflect NOS/BE version 1.5 at PSR level 552.</p>
<p>P (05-17-82)</p>	<p>Manual updated to reflect NOS/BE version 1.5 at PSR level 564. This revision incorporates support of the Remote Host Facility and Remote Maintenance Facility. Miscellaneous technical and typographical changes are also made. Due to extensive changes, chart tape and dots are not used, and all pages reflect the latest revision level. This edition obsoletes all previous editions.</p>
<p>R (11-22-82)</p>	<p>Manual updated to reflect NOS/BE version 1.5 at PSR level 577. This revision incorporates changes to CCL and the Remote Host Facility. Miscellaneous technical and typographical changes have also been made. This edition obsoletes all previous editions.</p>
<p>T (02-20-84)</p>	<p>Manual updated to support NOS/BE Version 6.5 at PSR level 604 and to make editorial and technical corrections. This edition obsoletes all previous editions.</p>
<p>U (02-25-85)</p>	<p>Manual updated to support NOS/BE Version 1.5 at PSR level 627 and to make technical and editorial corrections. This edition obsoletes all previous editions.</p>
<p>V (02-21-86)</p>	<p>Manual updated to support NOS/BE Version 1.5 at PSR level 650 and to make technical and editorial corrections.</p>
<p>Publication No. 60494400</p>	

LIST OF EFFECTIVE PAGES

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PREFACE

INTRODUCTION

This manual is a listing of the system messages produced by the Network Operating System/Batch Environment (NOS/BE) Version 1.5.

NOS/BE can operate on the following computer systems:

- CDC® CYBER 180 Computer System
Models 810, 830, 835, 840, 845, 850, 855, 860, and 990
- CDC CYBER 170 Computer System
Models 171, 172, 173, 174, 175, 176, 720, 730, 740, 750, 760, 815, 825, 835, 845, 855, 865, and 875
- CDC CYBER 70 Computer System
Models 71, 72, 73, and 74
- CDC 6000 Computer System

AUDIENCE

The messages are of interest to computer operators as well as anyone running programs on the system.

CONVENTIONS

The following conventions are used in this manual.

CENTRAL MEMORY WORD FORMATS

Conventions for central memory word formats are as follows:

- Crosshatching indicates a field is not used by or is not applicable to a function processor. However, Control Data reserves the right to assign these fields to system use in the future.
- Fields reserved for system use are so labeled.
- Fields with numeric labels indicate the actual value that is used or returned for a particular function. Numeric identifiers are octal unless otherwise noted.

CYBER 70 COMPUTER SYSTEMS

The term CYBER 70 Computer System refers to models 71, 72, 73, and 74 only.

170-CLASS MAINFRAMES

The term 170-class mainframes refers to CYBER 170 models 171, 172, 173, 174, 175, 176, 720, 730, 740, 750, 760, 865, and 875.

180-CLASS MAINFRAMES

The term 180-class mainframes refers to CYBER 180 models as well as CYBER 170 models 815, 825, 835, 845, and 855, which have most of the functional and architectural attributes of the CYBER 180 mainframes.

EXTENDED MEMORY

Extended memory for model 176 is large central memory extended (LCME). Extended memory for the 180-class mainframes is unified extended memory (UEM).

Extended memory for models 865 and 875 is UEM, extended core storage (ECS) or extended semiconductor memory (ESM). Extended memory for all other NOS/BE computer systems is ECS or ESM. ECS and ESM in 24-bit format standard addressing mode (sometimes called ECS mode) are the only forms of extended memory that can be shared in a multimainframe configuration, accessed by a distributive data path (DDP), and used as a stationlink medium. In this manual, extended memory (EM) refers to all forms of extended memory.

SUBMITTING COMMENTS

The last page of this manual is a comment sheet. Please use this comment sheet to give us your opinion of the manual's usability, to suggest specific improvements, and to report technical or typographical errors. If the comment sheet has already been used, you can mail your comments to:

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St. Paul, Minnesota 55126-6198

Please include the manual title, publication number, and revision level with each inquiry, and indicate whether or not you would like a reply.

If you have access to SOLVER, an online facility for reporting problems, you can use it to submit comments about the manual. Use NBO as the product identifier.

RELATED PUBLICATIONS

Programming information for the various forms of extended memory can be found in the COMPASS Reference Manual and in the appropriate computer system hardware reference manual. Hardware descriptions of the various forms of extended memory can be found in the following manuals.

<u>Control Data Publication</u>	<u>Publication Number</u>
Extended Semiconductor Memory Hardware Reference Manual	60455990
Extended Core Storage Reference Manual	60347100
Extended Core Storage II and Distributive Data Path Reference Manual	60430000

The NOS/BE Manual Abstracts is a pocket-sized manual containing brief descriptions of the contents and intended audience of all NOS/BE and product manuals. The abstracts can be useful in determining which manuals are of greatest interest to a particular user.

Manuals, except for the NOS/BE System Programmer's Reference Manual, are available through Control Data sales offices or Control Data Literature Distribution Services (308 North Dale, St. Paul, Minnesota 55103). The NOS/BE System Programmer's Reference Manual is available through Software Manufacturing Distribution (4201 North Lexington Avenue, Arden Hills, Minnesota 55126-6198).

The following is a list of NOS/BE operating system manuals, NOS/BE product set reference manuals, and other manuals of interest.

<u>Control Data Publication</u>	<u>Publication Number</u>
Advanced Tape Subsystem Reference Manual	60449600
CYBER Loader Version 1 Reference Manual	60429800
CYBER Record Manager Advanced Access Methods Version 2 Reference Manual	60499300

<u>Control Data Publication</u>	<u>Publication Number</u>
CYBER Record Manager Basic Access Methods Version 1.5 Reference Manual	60495700
EXPORT High Speed Reference Manual	60456880
INTERCOM Version 5 Reference Manual	60455010
INTERCOM Version 5 Multi-User Job Capability Reference Manual	60456070
Magnetic Tape Subsystem Reference Manual	60403900
NOS/BE Manual Abstracts	84000470
NOS/BE Version 1 Diagnostic Index	60456490
NOS/BE Version 1 Installation Handbook	60494300
NOS/BE Version 1 Operator's Guide	60493900
NOS/BE Version 1 Reference Manual	60493800
NOS/BE Version 1 System Programmer's Reference Manual, Volume 1	60494100
NOS/BE Version 1 System Programmer's Reference Manual, Volume 2	60457370
On-Line Maintenance Software Reference Manual	60453900
Update Version 1 Reference Manual	60449900

DISCLAIMER

NOS/BE and its product set are intended for use only as described in this document. Control Data cannot be responsible for the proper functioning of undescribed features or undefined parameters.

CONTENTS

1. NOS/BE DIAGNOSTIC MESSAGES

1-1

APPENDIX

A. ABBREVIATIONS AND ROUTINES

A-1

This section is a sorted listing of diagnostic messages issued by NOS/BE. A diagnostic or diagnostic message is any message that describes the cause or nature of a condition, situation, or problem encountered during use of the system.

Messages have been sorted in the following order:

1. Messages beginning with an alphabetical character (that is, A through Z) are sorted alphabetically. Messages beginning with a variable character or word are sorted alphabetically according to the first nonvariable character or word. Lowercase letters indicate variable characters.
2. Messages beginning with a numeral (that is, 0 through 9), but also containing alphabetical characters (for example, 1CJ) or more than four leading numerals, are sorted alphabetically.
3. Messages beginning with a 1- to 4-digit number (that is, 1 through 9999) are sorted sequentially.
4. Messages beginning with five or more numerals are sorted alphabetically.

In all messages, leading and trailing special characters and blanks have been ignored for sorting purposes. Embedded slashes, hyphens, periods, and commas are equated to blanks. All other special characters are ignored.

The format of the diagnostic messages consists of four columns listing the following information.

- **Message column**
The message is capitalized; all variables are in lowercase letters. Included in this manual are informative messages, operator action requests, deadstart messages, and diagnostics.
- **Significance column**
This column briefly describes the problem and defines variables in the message.
- **Action column**
This column states the action required, if any, and how to perform it.

- **Routine column**

This column states the routine that generates the given message.

Hardware error refers to the situation where the software can determine unambiguously that hardware has failed to perform correctly. In the case of a hardware-related error, as well as a 66x type of system error, an entry in the customer engineer file listing is made automatically. This error file listing provides the customer engineers with additional information on the type of hardware error and what hardware might have caused the malfunction to occur. If the hardware error is fatal, the job is terminated unconditionally. System operation is not otherwise disturbed, and recovery deadstart is not required.

System error refers to the situation where the software determines there is a malfunction in the operating environment, such as improper interface or a potential hardware error. If the system error is fatal, the PP which discovered the malfunction unconditionally kills the system to facilitate isolation and correction of the problem. A recovery deadstart is required.

Fatal error generally indicates a job step abort; abnormal condition processing occurs.

MTxx indicates seven-track tape, and NTxx indicates nine-track tape. Many messages are the same for both kinds of tape except for the prefix. In this manual, all messages common to both types of tape, as well as those that apply only to seven-track, are printed with the MT prefix. Messages printed with the NT prefix apply only to nine-track tape.

For messages generated by HELLO7, refer to section 10 of the SCOPE 2 Reference Manual (publication number 60342600) for further details.

An alphabetized list of routines and abbreviations used throughout this handbook follows the messages. Each entry is described in a brief writeup either expanding the abbreviation or stating the function of the routine.

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
A NUMERIC EXTENDS BEYOND AN END OF FILE	On the record identification statement, p2 specifies more records than exist on the file. COPYN writes all records, one EOF, and rewinds file.	Correct problem and retry.	COPYN
A PARAMETER BEGINS BEYOND AN EOF-EOF	On the record identification statement, p1 is numeric and its value is greater than the number of records preceding the double EOF.	Correct problem and retry.	COPYN
ABNORMAL TERMINATION - RETURN PUNCH WITH PROBLEM REPORT	Fatal error. File containing diagnostic information about error was routed to card punch.	Submit punch file to system analyst.	EDITLIB
ABS ABORTED	Informative message. ABS found control point error flag set. ABS terminated, leaving any output as it was generated.	No action required.	ABS
ABS - ABS FWA OUTSIDE CM FL	Beginning parameter exceeds machine field length. No dump results.	Correct problem and retry.	ABS
ABS - ABS LWA OUTSIDE CM FL-CM FL SUBSTITUTED	Ending parameter (last word parameter) is greater than machine field length. Machine field length is used.	No action required.	ABS
ABS - CANNOT DUMP TO PERMANENT FILE	ABS found an attached permanent file with the filename OUTPUT. No dump will result.	Return permanent file named OUTPUT and retry.	ABS
ABS - DO NOT HAVE CORRECT PERMISSIONS FOR OUTPUT FILE	User does not have modify and/or extend permissions for filename OUTPUT. No dump will result.	Correct problem and retry.	ABS
ABS - FWA EXCEEDS LWA	Beginning parameter exceeds ending parameter. No dump results.	Correct problem and retry.	ABS
ABS - PARAM WD ADDRESS OUTSIDE FL	Parameter word address is outside job field length. No dump results unless job field length is changed while ABS is operating, and error is detected while ABS is attempting to set complete bit.	Correct problem and retry.	ABS
ACCESSING SMT	Informative message.	No action required.	RECOVER
ACCOUNTING MESSAGES DUMPED	Informative message.	No action required.	DAYFILE
ACE CALLED WITHOUT RECALL	Issued if recall bit of PP input register is not on when routine is called.	Correct problem and retry.	ACE
ACE FUNCTION ADDRESS NOT IN FL	Address specified in central memory not in user field length.	Correct problem and retry.	ACE
ACT,ADDRESS OUTSIDE FL	Address of function/status word is outside field length.	Correct problem and retry.	ACT
ACT CALLED IMPROPERLY	Calling sequence is bad.	Correct problem and retry.	ACT
ACT FUNCTION IS ILLEGAL	Unrecognizable function code.	Correct problem and retry.	ACT
ACT,RELATIVE LWA TOO BIG	LWA of the buffer is larger than the job's field length.	Correct problem and retry.	ACT
ADDRESS ERROR-RB BUFFER	Fatal system software error.	Perform a deadstart dump and redeadstart.	PFD
ADDRESS addr OUT OF RANGE	The REPLACE directive specifies an address that is either less than the load address of the record or greater than the load address plus program length (last word address plus one). addr Address in error	Ensure that all addresses in the REPLACE directives are within their proper ranges and retry.	BINEDIT
ADDRESS OUT OF RANGE	Fatal user error. Lower 18 bits of LBL RA+1 call does not reflect a relative address within calling job's field length.	Modify LBL call.	LBL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ADDRESS OUTSIDE FIELD LENGTH	Fatal user error. Lower 18 bits of MNT RA+1 call does not reflect a relative address within calling job's field length.	Modify MNT call.	MNT
ADDSET COMPLETE	Informative message.	No action required.	PFCCP
ADS BUFFER PARAMETER ERROR	Fatal system software error. Parameter block is not in field length or has an incorrect code.	Perform a deadstart dump and redeadstart.	ADS
ADS CANT FIND RBR	Fatal system software error.	Notify system analyst.	ADS
ADS DAM/RBR DISCREPANCY	Fatal system software error and possible hardware error. Tables have been destroyed.	Perform a deadstart dump and redeadstart.	ADS
ADS-DAM/RBR DISCREPANCY IN ADS	Postdeadstart message. ADS is the ADDSET processor. During public device initialization, Label and RBR had different RB size.	Device must be idled.	ADS
ADS, DAM TOO BIG	Device was labeled with a DAM too big for the CM RBRs on this system. Must relabel to add.	Correct problem and relabel device.	ADS
ADS DISK IL ERROR	Informative message; hardware error. Error writing label to set or clear interlock; condition of interlock is uncertain.	If this persists, affected drive is bad in dayfile. Run RECOVER (for existing master) or LABELMS again.	ADS
ADS DISK RD ERROR	Informative message; hardware error occurring during label interlocking, in accessing disk, or when label cannot be found.	If this persists, device is bad. Drop job.	ADS
ADS-DUPL MEM VSN	Set already has a member with given VSN.	Specify an alternate VSN or relabel other pack.	ADS
ADS-EST PARAM MISSING	Postdeadstart message. Postdeadstart initialization job was incorrect and did not supply EST ordinal.	Correct problem and retry.	ADS
ADS FLAW TBL PARITY	Fatal parity error on a device.	Check parity error message in system dayfile to determine which device is bad.	ADS
ADS, FLAW TBL SIZE ODD	Label is invalid.	Pack must be relabeled by a normal LABELMS run.	ADS
ADS MASTER FLAW TBL BAD	Fatal error in device contents. Set is probably overwritten.	Run RECOVER.	ADS
ADS, MEM DIFF DEVTYPE OR RBSIZE	Fatal error. All members of a private set must be of same device type and record block size.	If wrong device was specified, retry. Otherwise, perform LABELMS again using same record block size as the master device.	ADS
ADS, MEM FLAW TBL BAD RBSIZE	Label and flaw table disagree.	Pack must be relabeled.	ADS
ADS, MEM NOT SAME DEVICE TYPE	System has detected different device types. User sets may not contain different types of devices.	Correct problem and retry.	ADS
ADS MST CPARE ERR	Fatal, mounted-set-table compare error and possibly a hardware error.	Perform a deadstart dump and redeadstart.	ADS
ADS-NO MASTER DEV	Postdeadstart message. Deadstart was completed without providing a master device for this public set.	Correct problem and retry.	ADS
ADS READ PARITY	Fatal parity error on device.	Check parity error message in system dayfile to determine which device is bad.	ADS
ADS SEQUENCE WAIT	Informative message given during processing.	No action required unless the message persists and no ADDSETS are running; notify system analyst.	ADS
ADS, SMT BAD	DAM ordinals in the SMT have been disordered; files may have been destroyed.	User should recover set before adding this device.	ADS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ADS-TUMANY PARAMS	A parameter was repeated or invalid.	Correct problem and retry.	ADS
ADS-USER CANT SAY DS	DS is not a valid parameter to ADDSET for users.	Correct problem and retry.	ADS
ADS WRT PARITY	Fatal parity error on device.	Check system parity error message to determine which device is bad.	ADS
ALERT BIT SET GENERAL STATUS=ssss MTS CHcc UNuu	This message occurs when deadstart tape is mounted on a 66x tape unit; signifies abnormal condition from buffer controller. ssss General status cc Channel number uu Unit number	Notify customer engineer.	CONTROL
ALL SYSTEM BUFFERS OFF	The user is attempting to use ECS for buffering via the DDPs. All system buffers are of the DDP type and are currently off. There are possible hardware errors.	Turn on DDPs and retry, perform a deadstart dump and redeadstart, or notify customer engineer.	CEM
ALL SYSTEM DEVICES SPECIFIED ARE NOT ENOUGH TO HOLD ENTIRE SYSTEM. DEADSTART AGAIN AND SPECIFY MORE UNITS.	Deadstart fails. System devices must be logically or physically added.	Deadstart again and change EST to show more or larger devices for system.	IRCP
prog ALREADY IN Lib LIBRARY	The program specified in an ADD directive is already in the library. prog Program name lib Library name	If the new program should replace the old one, use the REPLACE directive. Otherwise, change the name of the new program, or add it to a different library.	EDITLIB
ALREADY IN LIBRARY	Informative message.	No action required.	EDITLIB
prog ALREADY IN LIBRARY, NOT ADDED	The program specified in an ADD directive is already in the library. prog Program name	If the new program should replace the old one, use the REPLACE directive. Otherwise, change the name of the new program, or add it to a different library.	EDITLIB
ALTER NEEDS EXCL.ACCESS	Conditionally fatal user error. FDB return code = 033B. Error code passed to 1PD by PFE.	Attach permanent file with control permission or specify RW = 0.	1PD
AN ID (P1) IS REQUIRED ON ALL TEXT CARDS	An ID is missing from a text card.	Correct problem and retry.	COPYN
ANOTHER MF USNG DEVICE-GO/DROP LABELMS	Another mainframe is using the device.	Either wait until no other mainframe is using the device and enter GO, or drop the job.	LABELMS
APF TABLE IS FULL - 1RN	All entries in the APF table are currently in use. The message disappears when an APF slot becomes empty.	No immediate action required. If message persists, notify system analyst as a system deadlock may have occurred.	1RN
APPENDED-type/name	The record with type and name on the replacement file was not matched; it has been appended to the new file. This message occurs only when the user selects the A option.	No action required.	COPYL COPYM
APR ABORTED INVALID REQUEST OR ADDRESS	Requested function is invalid or address specified is outside user's field length.	Correct problem and retry.	APR
APR COULD NOT FIND REQUESTED JOB FILE	A job in the APR SEQ table could not be located either because the FNT had been dropped from the system or the job was still in execution.	Job should be reentered if it was dropped from the system.	APR
APR PARAMETER ILLEGAL	The APR function is illegal. The user can only call 1 and 11 via control statements; 5, 10, and (0,0) via system macros; and 0, 2, 3, and 4 via the console.	Correct parameter and retry.	APR
APR SEQ ALREADY ON	An attempt was made to turn the APR sequencer on while it was already on.	No action required.	APR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
APR SEQ HAS NO SUCH JOB	User attempted to run, drop, or set interval for a job not in the APR SEQ table.	Add the job to the APR SEQ table before attempting the operation.	APR
APR SEQ IS ON	The APR sequencer was turned on.	Action completed.	APR
APR SEQ JOB nn ALREADY IN USE	User attempted to insert an APR SEQ job into a location in the APR SEQ table which was already occupied by another job. nn Number of job within sequence table.	Insert the job into a different location in the APR SEQ table.	APR
APR SEQ JOB nn ALREADY IN USE	User attempted to insert an APR SEQ job into a location in the APR SEQ table which was already occupied by another job. nn Number of job within sequence table.	Insert the job into a different location in the APR SEQ table.	APR
APR SEQ JOB nn ALREADY RUNNING	User attempted to run an APR SEQ job that was already executing. nn Number of job within sequence table.	No action required.	APR
APR SEQ JOB nn FILE NOT FOUND	Entry nn of the APR table of sequenced jobs has been cleared because the job was neither in the input queue nor executing when the sequencer tried to start it.	Reenter job if required.	APR
APR T.SEQ INTERLOCK SET TOO LONG	The interlock flag on the APR SEQ table was set longer than it should be.	Notify systems analyst.	APR
APR T.SEQ LESS THAN 4 CM WORDS	There is insufficient space to create the APR SEQ table.	Reassemble the CMR with a value of L.SEQ greater than or equal to 4.	APR
ARCHIVE CY EXISTS - NO PFN, ID, PW CHANGES	RENAME does not allow specified changes when an archived cycle exists.	Retrieve or purge archived cycles and retry.	PFR
ARCHIVE RETRIEVAL ABORTED	Conditionally fatal user error. FDB return code = 013B. PFA passed error code to 1PD. One of the following conditions prevented the archive retrieval. - Operator dropped or killed archive retrieval job. - Archive retrieval; job aborted during LOADPF.	User should consult operator before retrying job.	1PD
ARCHIVE RETRIEVAL-BAD 1PF SETUP	Fatal system software error.	Perform a deadstart dump and redeadstart.	LOADPF
ARCHIVED DIRECTORY INFO OF message	Informative message. Copy of permanent file does not reside on DUMPF tape being loaded; only archived header reflects that it is archived on the tape.	No action required.	LPF
AREA DEFINITION OUT-OF-ORDER IN CMRDIR	Fatal user error. Areas in CMRDIR are not in proper order.	Specify areas in CMRDIR in following order: CM resident, monitor mode, user mode.	LDCMR
ARG BEYOND FL	Parameter address is beyond field length. addr in the preceding message will be zero.	Correct problem and retry.	LDL
ARG ERR	Reference to a control point area word beyond control point area length of 177B has been made on a code 0 call to LDL.	Correct problem and retry.	LDL
ASSIGN DISK PACK VSN vsn	The system is requesting a disk pack.	Enter n.ASSIGN vsn. to assign required pack.	ADS
ASSIGN SECOND UNIT	The system is requesting a second unit.	Assign a second tape unit of same type as first unit.	REQ
ASSIGNED DEVICE DIFFERS FROM REQUESTED DEVICE	The user assigned a device of the wrong type.	Correct problem and retry.	LABELMS
ASSIGNED TO VSN vsn, SN setname	Informative message. vsn Volume serial number setname Device set name	No action required.	1PK
ASSIGNING NTxx COULD DEADLOCK SYSTEM TYPE J.YES OR J.NO	Informative message to operator. xx Tape EST ordinal	Type j.YES or j.NO.	REQ 2TACOM 1TS
AT CY=cy SN=setname	Informative message to operator. xx Tape EST ordinal	No action required.	PFA
AT LEAST TWO CPS FOR DEADSTART-HDS	Bad MTR request.	Assemble central memory resident with at least two control points.	HDS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
AT RBT LOC addr POINTER OUT OF RANGE OR WORD PR CROSSES CHAINS TYPE GO TO CONTINUE	Recovery will search for start of another chain. addr Address	GO continues recovery.	IRCP
ATTACH pfn FAILED-PF RETURN CODE ec	Attempt to attach file pfn resulted in FDB return code ec. Refer to the table on the front inside cover.	Notify system analyst.	TDS
ATTEMPT TO ALTER INTERCOM CONFIGURATION -- ENTER GO/DROP	A warning message to the operator, which indicates an attempt to use TDFGEN or PASSWRD.	Enter n.GO. or n.DROP.	PASSWRD TDFGEN
ATTEMPT TO OVERWRITE TAPE WITH UNEXPIRED LABEL TYPE GOxx OR RECHECKxx	Informative message. xx EST ordinal	Typing GOxx. allows job to continue. RECHECKxx. rereads label and rechecks expiration.	3IM
AUDIT ABORT-READ PAST EOR ON ORBTC	Fatal system error.	Perform a deadstart dump and redeadstart.	AUDIT
AUTO-RECALL ERROR	Job terminated because completion bit was already set when job went into auto-recall.	Correct problem and retry.	1EJ
AUTO-RECALL FLAG NOT SET	Auto-recall bit not set in MEM calling sequence.	Set auto-recall bit to increase storage.	MEM
AUTOLOAD PROGRAM TOO LONG	Fatal system error. Deadstart will not proceed.	Perform a deadstart dump and redeadstart.	CONTROL
AWAITING STORAGE	Informative message.	No action required.	1TD
B=lfm IGNORED	Nonfatal user error. Contradicting parameters F=0 and B=lfm appeared on LDCMR control statement. lfm File name	Remove F=0 parameter if B=lfm parameter is desired.	LDCMR
mMB PPUS EXIST PPUS DEFINED TYPE GO TO USE ppB PPUs	Existing PPs conflict with configured number.	Notify system analyst.	CONTnnB
BACKUP, GO WHEN CORRECTED (RESTART)	RESTART has found a checkpoint number on tape that is larger than that on control statement, probably due to mounting wrong volume of a multivolume checkpoint tape.	Mount earlier checkpoint tape or rewind mounted tape.	RESTART
BAD APF COUNT	System error; conditionally hung PP. Attached permanent file count is in error.	Perform a deadstart dump and redeadstart.	1PC
BAD APF ORDINAL	System error; conditionally hung PP.	Perform a deadstart dump and redeadstart.	1PC
BAD ARGUMENT TO statement	Nonfatal user error. A parameter of control statement indicated is invalid. This message is usually issued in conjunction with another error message, indicating nature of error and how parameter is treated.	Check parameters of control statement for errors and correct.	COMQARG
BAD BYTE COUNT IN PRU	Data on the RMS deadstart device has been destroyed.	Deadstart from tape.	CONTROL
BAD CALL TO LBL	Fatal system error.	Perform a deadstart dump, redeadstart, and notify systems analyst.	LBL
BAD CMR IDENT SELECT IDENT FROM ECS LABEL AND ENTER IT TO GO TYPE -CR- TO GO WITH ECS OFF	Existing extended core storage label is displayed on right screen.	Perform instructions given in message.	IRCP
BAD CMR ON INPUT FILE	Fatal user error. Binary is not a well formed absolute overlay or pointers in word P.AREA are illegal.	Check pointers in P.AREA for errors and correct. If correct, reassemble central memory resident.	LDCMR
BAD CMRDIR PROGRAM	Fatal user error. Binary is not a correctly formed overlay.	Reassemble CMRDIR.	LDCMR
BAD COMPARE	Discrepancy occurred during COMPARE.	Drop job if good compare is required.	COMPARE
BAD DAM ENTRY. VSN=vsn	Informative message. There is a mismatch between a logical flaw table or device allocation map header and corresponding set member table entry. Identity of bad value appears in output listing. vsn Volume serial number	Notify system analyst.	RECOVER

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
BAD DAM ORD IN RBT-GO OR ROP	Informative message. There is an invalid DAM ordinal in one RBT chain.	Notify system analyst. Type GO to proceed.	RECOVER
BAD DAM ORD IN RBTC	Nonfatal system error. DAM ordinal in a local file RBT chain is out of range.	Notify system analyst.	RECOVER
BAD DAM ORDINAL	System error; conditionally hung PP.	Perform a deadstart dump, redeadstart, and notify systems analyst.	1PC
BAD DAM ORDINAL, GO/DROP	Nonfatal system error. There are more record block reservation tables than device allocation maps for this device.	Notify system analyst. Type n.GO to continue with postdeadstart or n.DROP to drop the job.	RECOVER
BAD DEVICE TYPE-RELABEL	Fatal user error. Device type specified on control statement does not match assigned device type.	Correct control statement and retry.	RELABEL
BAD DISK RBR	System error; conditionally hung PP.	Perform a deadstart dump, redeadstart, and notify systems analyst.	1PC
BAD ERROR FLAG = ec JOB DROPPED	System error. An undefined error flag treated as an operator drop. ec Undefined error code	Notify system analyst. Refer to section on system control point area in the System Programmer's Reference Manual.	1EJ
BAD EST ORDINAL-LBL	Fatal system software error.	Notify system analyst.	LBL
BAD FILE-lfn	LDCMR unable to recognize file lfn. If file is ZZZZCMR, LDCMR has been altered since file was created.	Notify system analyst.	LDCMR
BAD FILE NAME	Fatal system software error.	Notify system analyst.	PFJ
BAD FLW ENTRY. VSN=vsfn	Informative message. There is a mismatch between a logical flaw table or device allocation map header and corresponding set member table entry. Identity of bad value appears in output listing. vsfn Volume serial number	Notify system analyst.	RECOVER
BAD FNT ADDRESS, PROBABLY WRONG TAPE	Fatal system software error.	Notify system analyst.	XDQ
BAD FNT AT addr XDQ CLEAR TO CONTINUE	A queue file with a bad supplement FNT entry was encountered. addr Address of bad file name table	Notify system analyst. Clear XDQ output register to continue DMPQ process. The bad FNT entry will not be dumped and will be locked.	XDQ
BAD FNT FET ADDRESS	System error; conditionally hung PP.	Notify system analyst.	1PC
BAD LABEL FROM LABELMS	Hardware problem; job was aborted.	Notify customer engineer.	LBL
BAD MP PARAM, ADS	System detected invalid MP parameter. MP, like VSN, must be alphanumeric with no special characters.	Correct problem and retry.	ADS
BAD OCTAL DIGIT	An octal field in previous control statement is in error; control statement error flag set.	Correct problem and retry.	1AJ
BAD PARAM LIST ADDR - DSM	Fatal system software error.	Notify system analyst.	DSM
BAD PARAMETER ADDRESS - MSD	Fatal error.	Notify system analyst.	MSD
BAD PARAMETER ADDRESS - OUX	Fatal system error.	Notify system analyst.	OUX
BAD PARAMETER ADDRESS - SRB	Fatal system error.	Notify system analyst.	SRB
BAD PARAMETER LIST ADDRESS PASSED - DSM	Fatal system error.	Notify system analyst.	DSM
BAD PF FNT POINTER	System error; conditionally hung PP.	Notify system analyst.	1PC
BAD PFC POINTER OR CHAIN	System error; conditionally hung PP.	Notify system analyst.	1PC
BAD PFD POINTER	System error; conditionally hung PP.	Notify system analyst.	1PC
BAD PFD POINTER FOR SYSTEM FILE	Bad MTR request.	Perform a deadstart dump, redeadstart, and notify system analyst.	TAT
BAD POINTER FOR xxxxx TYPE GO TO USE FRESH CMR POINTER	Pointer to table was altered. xxxxx Table name.	Type GO to continue recovery.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
BAD POSITION - IGNORED	Request to attach positioned file was ignored because position stored by SETP was invalidated as a result of ALTER function.	No action required.	PFA
BAD PREAMBLE PRU	Fatal system software error.	Notify system analyst.	MNT
BAD PRO INDEX FOR SYSTEM FILE	Bad MTR request.	Perform a deadstart dump, redeadstart, and notify system analyst.	TAT
BAD RB ADDRESS SYSTEM FILE	System error, bad system file.	Notify system analyst.	1AJ
BAD RBR ORDINAL	System error; conditionally hung PP.	Notify system analyst.	1PC
BAD RBT EMPTY CHAIN POINTER TYPE GO TO CONTINUE	Word P.RBT was destroyed before deadstart recovery.	Type GO to restore P.RBT.	IRCP
BAD READ FROM DISK	Hardware problem encountered in reading disk.	Notify customer engineer.	1SX
BAD REQUEST MACRO	Bits set in REQUEST parameter list are incompatible.	Correct problem and retry.	REQ
BAD RESPONSE TYPE N.CFO Y/N	The deadstart spun-off task expected a Y or N on a CFO command, but the operator typed something else.	Type n.CFO Y or n.CFO N. n is the control point number of the deadstart spun-off task.	SOTDS
BAD RETURN ADDRESS - OUX	Fatal system error. OUX is a utility helper. Return (input register) address is out of field length (range). Does not hang system.	The system analyst should dump the field length of the hanging utilities.	OUX
BAD RMS LABEL ON DEVxx device CHcc Eqs UNuu RECOVERY NOT POSSIBLE LABEL - VSN vsn1 OF SN setname1 EXPECTED - VSN vsn2 OF SN setname2	Unrecoverable deadstart error. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name	Perform a level 1 deadstart.	IRCP
BAD SMT ENTRY	Fatal error. Set member table entry for master is in error.	Notify system analyst.	RECOVER
BAD SMT ENTRY GO OR DS	Fatal error. Set member table entry for member is in error.	Notify system analyst. Postdeadstart process can be resumed if so desired (type GO).	RECOVER
BAD STACK REQUEST	Bad MTR request.	Notify system analyst.	3D0
BAD SYSTEM TABLE ALLOCATION	Fatal error.	Notify system analyst.	RECOVER
BAD UNIT/NO READ AFTER WRITE	Tape unit malfunction; unable to write from loadpoint. Returns to user if EP bit is set, else fatal.	Notify system analyst.	3IM
BAD VALUE	Refers to FLAW and FREE entries and to assembled CMR flaws.	Enter one of the options listed on the left screen.	IRCP
BAD VSN REQUEST	User error. The specified VSN cannot be found in device set.	Correct problem and retry.	1PK
BATCH NOT ALLOWED FROM A BATCH JOB	The BATCH command can be entered from INTERCOM only.	Use ROUTE control statement in place of BATCH and rerun job.	BATCH
BCLOAD LOADING REMOTE NAD xx - GO OR DROP	Operator action request to check the status of the remote network access device (NAD). xx Remote NAD address in hexadecimal	Enter j.GO to allow remote NAD controlware load. Enter j.DROP to drop request. CAUTION: The operator must ensure that the remote NAD is not in use before allowing the controlware load to proceed. If the controlware is loaded while the remote NAD is in use, file transfers and data exchanges may be disrupted or destroyed.	BCLOAD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
lfn.\$ BEG dev TID= id ee/ppp/sss	This message indicates the beginning of an INTERCOM 5 remote batch stream. lfn File name on READ-FN if READ,lfn command was used. dev Device mnemonic and ordinal. id Terminal id of the terminal processing the file. ee EST ordinal of the 2550 to which the terminal is connected. ppp Port ordinal of the terminal. sss Terminal site address.	No action required.	1NP
BEGIN EVICTD,Daa	Informative message. aa Dependency group	Start evicting all dependency group aa and release mass storage.	1MH
BEGIN TEXT EDITING	Informative message. The EDIT program is initiated and is waiting for commands.	Enter an EDIT command. (Refer to RMF Text Editor Reference Manual.)	EDIT
BEWARE - SYSTEM UNSAFE	M.ICE subfunction EX.BOOT failed but partially recovered. Message should be preceded by error conditions listed under BOOT message.	Do not run LDCMR again; a subsequent recovery may fail.	LDCMR
BINARY RECORD MISSING FROM INPUT	Logical records requested from system INPUT file must begin with next logical record on INPUT file.	Correct problem and retry.	COPYN
BIT LENGTH ERROR	Fatal system error. CMR configuration problem.	Notify system analyst.	LBL
BIT TABLES SIZE TOO LARGE - LABELMS	Fatal user and operator error.	Change RBR input cards and retry, or ask operator to mount pack on specific drive with large enough bit table size.	LABELMS
BITMAP FULL - PASSWRD RUN TERMINATED	The number of terminal-IDs and user-IDs exceeds 1296.	Delete some usernames and passwords then retry.	PASSWRD
BLANK LABEL WRITTEN ON rbn	Informative message. rbn Record block number	No action required.	LBL
BLANK TAPE READ	Return dependent on EP bit setting. No error code returned. No data was received after a one-second delay (66x driver).	No action required.	6WM 3IM
BLOCK GR MBL	The tape staging spun off task received a data block which was greater than maximum block length.	Increase the maximum block length for the tape being staged.	SOTTP
BLOCK READ IS LONGER THAN MLRS	Fatal error. Block read was greater than MLRS specified if S or L tapes, or greater than 512 CM words if SCOPE or SI tape. Return dependent on EP bit setting.	Correct problem and retry.	3IM
BOMB AT 400addr	Deadstart display driver received illegal data from subroutine call address (part of IRCP is overwritten). addr 6-digit octal address	Notify system analyst.	IRCP
BOMB AT addr	Illegal parameters were passed to the OPCOM routine in IRCP. addr Return address of bad call	Correct problem and reassemble IRCP.	IRCP
BOOT message	M.ICE subfunction EX.BOOT has returned a nonzero status. Possible messages are: UNKNOWN STATUS RETURNED UNABLE TO READ AREA TABLE NO ALTERNATE SYSTEM Could occur if no LDCMR has added an ECS system or an LDCMR has deleted previous system. DATE/TIME STAMPS DO NOT MATCH NO ROOM FOR SYSTEM IN CM Could result if one LDCMR adds a large system to ECS while another LDCMR attempts to boot it. CANNOT READ INIT CANNOT REREAD AREA TABLE	Rerun the job to add to ECS and BOOT on same LDCMR.	LDC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CANNOT READ CM RESIDENT OR SEGMENT TAB			
WRITE ABORT ON REPLACE			
REPLACE WHILE RUNNING ON OLD SYSTEM			
BOTH NAMES INDICATING RANGE CANNOT BE */	Informative message.	Correct problem and retry.	EDITLIB
BUF. SIZE ASSEMBLED INTO EDITLIB. INSTALL NEW VERSION	BUF3 value is too small.	Reassemble and reinstall EDITLIB with larger value for BUF3.	EDITLIB
BUFFER ARGUMENT ERROR FILE NAME lfn FET ADDRESS addr	User error. Return dependent on EP setting. Error code 22 returned in bits 9-13 of FET code/status. Circular buffer pointers in FET fail to satisfy: - 0 .LE. FIRST .LT. LIMIT .LE. FL. - FIRST .LE. IN .LT. LIMIT. - FIRST .LE. OUT .LT. LIMIT. In table of disk addresses, those for 0.RMR are outside the field length. lfn File name addr FET address	Correct problem and retry.	6MM 1SX CEM
BUFFER INSUFFICIENT FOR INPUT LOGICAL RECORD FOR S/L TAPE OUTPUT	The input logical records were too long for the COPYN buffer for output to an S or L tape. Records must be 512 words or less.	Correct problem and retry.	COPYBR COPYBF COPYCR COPYCF
BUFFER OUTSIDE FL - VERIFY IGNORED	Buffer specified in verify parameter block is outside user's field length. Job terminated.	Correct problem and retry.	VEJ
BUF3 UNABLE TO HOLD LIBRARY NAME TABLE. ENLARGE BUF3	Informative message.	Reassemble and reinstall EDITLIB with larger value for BUF3.	EDITLIB
BUF3 UNABLE TO HOLD PROGRAM NAME TABLE. ENLARGE BUF3	Informative message.	Reassemble and reinstall EDITLIB with large value for BUF3.	EDITLIB
BUSY RESTORING lfn	Informative message. lfn File name	No action required.	QUEDUMP
BYTE COUNT GT 500 WRITING DISK FILE, TYPE N.CFO SKIP/TERMINATE	Informative message. Stack processor has found bad byte count in PRU control word read from tape created on an earlier system. File will not be restored on disk.	Type n.CFO SKIP to skip loading the file. Type n.CFO TERMINATE to terminate LOADPF.	LOADPF
CALLABLE BY THE CENTRAL CONSOLE OPERATOR ONLY	LINSTAT utility was called from somewhere other than the central console. Call was ignored and job continues.	No action required.	LINSTAT
rtn CALLED 6PD W/UNLOCKED LFN lfn	PP routine rtn made an illegal call to 6PD. lfn File name	Notify system analyst.	6PD
CALLING ERROR (CKP)	Fatal user error. Bit 0 parameter is not zero, RECALL bit is not set in call to CKP, or parameter list is outside field length.	Correct problem and retry.	CKP
CALLING JOB IS NOT DEPENDENT	Job calling TRANSR, TRANSC, or TRANSF does not have dependency identifier.	Add dependency or drop the call.	JDP
CANNOT AUTOLOAD RMS BUFFER CONTROLLER. ALTERNATE ACCESS RESERVED ON CHcc OPTIONS - PAS - BYPASS AUTOLOAD OF BC REP - TRY AGAIN EST - DISPLAY EST	An attempt to load new controlware into a controller failed because another mainframe is using the alternate channel to the disk controller or because there is a hardware problem. cc Channel number	Enter PAS to use the existing controlware in the controller, REP to initiate an autoload of the controller, or EST to retrieve the EST display for possible reconfiguration. Consult customer engineer if none of the options above are appropriate.	IRCP
CANNOT CLR SMT IL - RELABEL	Hardware problems do not allow clearing SMT interlock. Job aborted.	Retry.	RELABEL
CANNOT COMPLETE EVICT-RBT = rbt	Informative message. Hardware interlock has been lost; evict cannot be completed. rbt RBT ordinal	Notify system analyst.	1EV
CANNOT DELETE MASTER MEMBER(S) EXIST IN SET	All members of a set must be deleted before the master.	Before executing a DELSET on the master, execute a DELSET on all other members.	DLM

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CANNOT DELETE SYSTEM MASTER	The operating system's master device cannot be deleted.	No action required.	DLM
CANNOT FIND MASTER	System error or user error. A master device is no longer mounted.	Check operator dismount, remount parameter.	DSM
CANNOT GET CM FL, JOB RERUN	An attempt to initiate job from input failed because 1IB could not get adequate central memory storage. Job was rerun.	No action required.	1IB
CANNOT GET ESTORD - RELABEL	Hardware problems prevent obtaining EST ordinal for member device in specified set. Job aborted.	Retry.	RELABEL
CANNOT INITIALIZE SYSTEM SET IF NOT A LVL 0 DEADSTART	A level 0 deadstart must be selected if the system set is to be initialized.	Enter the EST option or perform a level 0 deadstart.	IRCP
OPTIONS - EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING PERFORM LEVEL 0 DEADSTART			
mfx CANNOT LOGIN-DUPLICATE ID	Informative message. Mainframe identifier mfx has been logged in already.	No action required.	SSH
CANNOT PERFORM LEVEL 0 DEADSTART FROM RMS REDEADSTART FROM TAPE OR CHANGE DEADSTART LEVEL	The user attempted a level 0 (or possibly a level 4) deadstart with an RMS device as the deadstart device. The user cannot perform a level 0 deadstart from disk.	Change the deadstart device to tape or use another deadstart level (such as 1).	CONTROL
CANNOT READ DAM - RELABEL	Job aborted. Hardware problems.	Retry. If problem repeats, RELABEL cannot be run. Set is lost and must be initialized.	RELABEL
CANNOT READ LABEL - RELABEL	Job aborted due to hardware problems.	Retry. If problem repeats, RELABEL cannot be run. Set is lost and must be initialized.	RELABEL
CANNOT READ LFT - RELABEL	Job aborted. Hardware problems.	Retry. If problem repeats, set will have to be initialized.	RELABEL
CANNOT READ PFT - RELABEL	Job aborted. Hardware problems.	Notify system analyst.	RELABEL
CANNOT READ RBR - RELABEL	Not able to read record block reservation table in central memory. Job aborted.	Notify system analyst.	RELABEL
CANNOT READ SMT - RELABEL	Hardware problems prevent reading of set member table. Job aborted.	Retry.	RELABEL
CANNOT READ TRAILER LABEL	Informative message.	If RECHECKxx. is typed, system rereads tape. If GOxx. is typed, job proceeds as if an EOF trailer label had been read.	3IM
CANNOT RECOVER ACTIVE INTERCOM WHEN ADING SYSTEM LIBRARIES	Informative message.	Select the correct option.	CONTRELO
SELECT OPTION RL RELOAD SYSTEM LIBRARIES NR NO RELOAD - INTERCOM RECVRD			
CANNOT RECOVER INTERCOM/RMF TYPE -GO- TO DROP INTERCOM/RMF AND CONTINUE RECOVERY	Active INTERCOM and/or RMF cannot be recovered because the interactive tables were overwritten.	Type GO to drop INTERCOM and/or RMF and to continue recovery.	COM
CANNOT RELABEL MOUNTED DEVICE	Fatal user error. Another job is using device.	Retry.	RELABEL
CANNOT REQUEST USER AND SYSTEM EDITLIB WITH THE SAME CONTROL CARD	Both user and system parameters cannot appear on the call to EDITLIB.	Use separate control statements for the two types of parameters and retry.	EDITLIB
CANNOT ROUTE INPUT FILE	File INPUT cannot be specified on a ROUTE or DISPOSE control statement or macro.	Correct problem and retry.	DSP
CANNOT RUN EDITLIB WITH INTERCOM/RMF - DROP EDITLIB OR INTERCOM/RMF. (N.GO)	EDITLIB cannot run if either INTERCOM or RMF is running.	Either drop EDITLIB or drop INTERCOM and/or RMF. Enter n.GO to run EDITLIB.	MDI
CANNOT SET SMT IL - RELABEL	Hardware problems do not allow setting SMT interlock. Job aborted.	Retry.	RELABEL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CANNOT SWAP BACKWARDS, NO PREVIOUS VSN	Fatal error. Operator mounted a multi-reel tape in a different order from that specified on the VSN control statement. This is especially critical if the REQUEST control statement used 2MT or 2NT as a parameter and the operator attempted a backward swap.	Rerun the job with the correct tape order.	3IM
CANNOT VERIFY DS - RELABEL	HDS did not find system in post deadstart mode. Job aborted.	Retry.	RELABEL
CANNOT WRITE DAM - RELABEL	Job aborted due to hardware problems.	Retry.	RELABEL
CANNOT WRITE LABEL - LABELMS	Label has been written and cannot be rewritten.	Notify customer engineer.	LABELMS
CANNOT WRITE LABEL - RELABEL	Hardware problems. Job aborted.	Retry.	RELABEL
CANNOT WRITE xxx - LABELMS	LABELMS was unable to write a disk table on the device.	Increase the number of RB's (not RB size) in the first RBR for this device. If using LABELMS allocation directives, increase the Nrbs value. If the problem persists, flaw the bad portion of the disk.	LABELMS
CANNOT WRITE LFT - RELABEL	Hardware problems prevent writing logical flaw table on disk. Job aborted.	Retry.	RELABEL
CANNOT WRITE PFT - LABELMS	Due to hardware problem, LABELMS was unable to write physical flaw table.	Flaw bad portion(s) of device.	LABELMS
CANNOT WRITE PFT - RELABEL	Hardware problems do not allow writing physical flaw table on disk. Job aborted.	For a master RELABEL, set has to be reinitialized; all files are lost. For a member RELABEL, bad record block should be flawed and RELABEL run again. If in postdeadstart, repeat deadstart process.	RELABEL
CANNOT WRITE RBR - LABELMS	LABELMS was unable to write record block reservation table.	Notify system analyst.	LABELMS
CANNOT WRITE RBR - RELABEL	Not able to write record block reservation table in central memory. Job aborted.	Notify system analyst.	RELABEL
CANNOT WRITE SMT - RELABEL	Hardware problems prevent writing set member table on disk. Job aborted.	Retry.	RELABEL
CANNOT WRITE 7000 LABEL	Fatal user error. User should not attempt to write a SCOPE 2 label using a NOS/BE-only utility.	Correct problem and retry.	LABELMS
CANT DMNT MOUNTED MASTER OR PUBLIC SET	Fatal operator error. The DMNT command cannot be used on public sets or on a master device before its members.	Correct problem and retry.	DSM
CANT IDLE MASTER OF SN setname	Informative message. Master device for a public set cannot be idled. setname Set name	Specify another device as master or move master pack to another drive and turn that device on.	IRCP
CANT INITIALIZE GEMINI LINK FILE CHECK DUMP FOR PF ERROR	Installation parameters defining the link files are wrong.	Correct installation parameters and reassemble GEMINI and MYQ.	GEMINI
CANT READ MASTER LABEL	The system cannot read the master label.	Notify a system analyst or a customer engineer.	1PK
CANT RECOVER ECS SYSTEM LEVEL 1 D/S REQUIRED	Existing segment library in ECS could not be used.	Perform a Level 1 deadstart.	IRCP
CANT RFL ABOVE JOB MAX FL	User request for field length exceeds installation defined maximum or the maximum specified on the job statement.	Correct problem and retry.	1AJ
CANT ROUTE NON ALLOCATABLE EQP	Neither ROUTE nor DISPOSE can be used with files that reside on tape or other nonallocatable equipment.	Correct problem and retry.	DSP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CANT ROUTE PERM FILE	Neither ROUTE nor DISPOSE can be used with permanent files.	Correct problem and retry.	DSP
CATALOG pfn FAILED - PF RETURN CODE ec	Attempt to catalog file pfn resulted in FDB return code ec. (Refer to the table on the inside front cover.)	Notify system analyst.	TDS
-CC- EST=xx CHANNEL LEFT ACTIVE	An unexpected error condition occurred because the other mainframe went down or the hardware malfunctioned. The driver will continue to run. xx EST ordinal	MFSTAT will automatically attempt to restart the link. If the error persists, take a dump and notify system analyst and/or customer engineer.	STD
-CC- EST=xx COUPLER/CHANNEL TEST FAILED	The link driver diagnostic routine failed while attempting to activate the coupler or channel in order to obtain coupler status. This causes the driver to stop running. xx EST ordinal	Verify that the channel and equipment numbers for the EST ordinal are correct. If so push the MASTER CLEAR buttons on the 6683/ 7683 couplers and restart the link with a LOGIN command. If the error persists, take a dump and notify system analyst and/or customer engineer.	STD
-CC- EST=xx ERROR CODE OUT OF RANGE	The error routine in the link driver on EST ordinal xx was called with an invalid error code. This is a fatal software error which causes the driver to stop running.	Take a dump and notify a system analyst. Otherwise a LOGIN command can be used to restart the link.	STD
-CC- EST=xx HARDWARE/SOFTWARE FAILURE	A channel or coupler function was timed out. This may be caused by a hardware or software malfunction. This causes the driver to stop running. xx EST ordinal	Bring up the M display. If the channel shows F (full) or E (empty), try to clear it with DCN commands. Then press the MASTER CLEAR buttons on the 6683/7683 couplers and type LOGIN to restart the link. If the condition persists, take a dump and notify system analyst or customer engineer.	STD
-CC- EST=xx ILLEGAL CONTROL/LENGTH BYTE	The link driver received an illegal control or length byte via EST ordinal xx from a linked mainframe. The station will automatically attempt to restart the link.	If the error persists, notify system analyst and/or customer engineer.	STD
-CC- EST=xx ILLEGAL COUPLER STATUS nnnnB	The status byte returned from the coupler contained bits other than Busy (bit 2), Receive (bit 1) and Transmit (bit 0), or the driver timed out waiting for the coupler to respond (STATUS=0000). The driver issues a MASTER CLEAR function on the coupler and continues to run. xx EST ordinal nnnn Octal status byte received.	MFSTAT will automatically attempt to restart the link. If the error persists, take a dump and notify system analyst and/or customer engineer.	STD
-CC- EST=xx ILLEGAL DRIVER REQUEST	Either MFSTAT or ICC issued an illegal request (request code out of range) to the link driver STD. This is an internal station error. It causes the station control point to be aborted. A dump will be taken automatically when the control point is aborted. xx EST ordinal	Print the dump and notify the system analyst.	STD
-CC- EST=xx RECEIVE BLOCK INVALID	A transmission block received via EST ordinal xx from a linked mainframe contained a message with either an illegal length (zero or exceeds station control point field length) or a data block with an illegal length (zero or exceeds transmission block length). The station will automatically attempt to restart the link.	If the error persists, notify system analyst and/or customer engineer.	STD
-CC- EST=xx RECEIVE BLOCK LENGTH ERROR	The length of a block being received from the other mainframe was longer or shorter than expected. Probably caused by a hardware malfunction or the other mainframe going down. The driver will continue to run. xx EST ordinal	MFSTAT will automatically attempt to restart the link. If the error persists, take a dump and notify system analyst and/or customer engineer.	STD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-CC-EST=xx SCHK DESTROYED ADDR=addr	The subchannel table for the EST ordinal xx has been destroyed. This is an internal station error. It causes the station control point to be aborted. A dump of the station control point will automatically be taken when it is aborted. addr Octal address in the channel coupler routine (STD) at which the error was detected.	Print the dump and notify system analyst.	STD
-CC- EST=xx SEND TRANSMISSION BROKEN	A block transmission to the other mainframe was interrupted before the entire block was sent. Probably caused by a hardware malfunction or the other mainframe going down. The driver will continue to run. xx EST ordinal.	MFSTAT will automatically attempt to restart the link. If the error persists, take a dump and notify system analyst and/or customer engineer.	STD
CCIvv LEVLl VARva	Informative message specifying the CCI version (vv), level (ll), variant number (va), after initializing INTERCOM 5.	No action required.	1NI
CCI3 HALT=hc	Specifies the 255x halt code hc when an NPU failure occurs.	Record hc and notify system analyst.	1NI
modname CCI3 MACRO MEMORY or modname CCI3 MICRO MEMORY	255x software macro or micro memory has been loaded for module modname.	No action required.	1NI
CCL 327 - EXPECTING VALUE AFTER PATTERN = ON HEADER.	CCL does not recognize the syntax immediately following the equal sign in the checklist. CCL expects an alphanumeric value, literal, or special name.	Correct procedure header statement and retry.	CCL
CCL100-SEPARATOR FOLLOWING VERB MUST BE COMMA OR LEFT PARENTHESIS	Fatal user error. Separator following verb (such as BEGIN or IFE) in a CCL statement must be a comma or a left parenthesis. Other valid NOS/BE separators are not allowed.	Change separator following verb to a comma or a left parenthesis.	CCL
CCL101-LAST NON-BLANK CHARACTER MUST BE SEPARATOR	Fatal user error. Last character string of card or line was not followed by a separator or a terminator.	To terminate statement, make last nonblank character a period or right parenthesis. To continue statement on next card or line, make last nonblank character a valid NOS/BE separator.	CCL
CCL102-EQUAL SIGN MUST FOLLOW FIRST SYMBOLIC NAME	Fatal user error. First parameter following a SET verb is symbolic name to be set. An equal sign must be separator following symbolic name.	Change separator following symbolic name to an equal sign. Equal sign must be followed by an expression.	CCL
CCL103-STATEMENT INCOMPLETE	Fatal user error. A terminator was detected in a statement immediately following verb.	Check statement format (refer to NOS/BE Reference Manual) and rewrite statement using a comma or left parenthesis after verb.	CCL
CCL104-EXPRESSION AND STATEMENT TERMINATED BY PERIOD or CCL104-EXPRESSION AND STATEMENT TERMINATED BY RIGHT PARENTHESIS	Fatal user error. A CCL expression or verb was followed by a statement terminator instead of a comma. Any of following conditions may produce this error. This message is informative and is issued in conjunction with message CCL123. - The label string parameter was omitted. - A relational or logical operator was delimited by a period on left side only. - An unbalanced right parenthesis appeared in expression. If separator, following verb was a left parenthesis an unbalanced right parenthesis may appear balanced as in this example, IFE(R1+R2)=3,LABEL. It should be terminated by right parenthesis.	Place a comma after expression or verb and add label string parameter. Delimit operator with periods on both sides. If error was caused by a misleading left parenthesis following verb, add a comma immediately after verb. Otherwise recheck all parentheses and balance unbalanced right parenthesis.	CCL
CCL105-TERMINATOR MUST FOLLOW SUBSYSTEM NAME	The SS function must be of the format SS terminator or SS=name terminator.	Correct problem and retry.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL120-ALL CARDS SKIPPED - ENDRUN or CCL120-ALL CARDS SKIPPED - REVERT	Fatal user error. In process of skipping, end of control statement record was reached. Skipping was initiated by a CCL statement in either control statement file (ENDRUN) or a procedure (REVERT). Any of following conditions may produce this error. - An IFE, SKIP, or ELSE expression was false and no ENDIF statement terminated resultant skip. - A WHILE expression was false and no ENDW statement terminated resultant skip. - An ENDW statement was not preceded by a WHILE statement.	Either add an ENDIF statement with a matching label string or correct existing ENDIF statement. Either add an ENDW statement with a matching label string or correct existing ENDW statement so that WHILE and ENDW label strings match. Precede ENDW statement with a WHILE statement.	CCL
CCL121-LABEL STRING MUST BEGIN WITH ALPHA CHARACTER	Fatal user error. First character of a label string must not be numeric.	Change label string on CCL statements to 1 to 7 alphanumeric characters, beginning with an alphabetic character.	CCL
CCL123-ALPHANUMERIC LABEL STRING REQUIRED	Fatal user error. CCL statements ELSE, ENDIF, ENDW, IFE, SKIP, and WHILE require a label string parameter. This message is issued in conjunction with message CCL104.	Refer to message CCL104 for cause and suggested action.	CCL
CCL124-PRECEDING ERR MSG. APPLIES TO FOLLOWING	Informative message. Dayfile message which precedes CCL124 is an error message which was caused by statement printed in dayfile following CCL124.	Refer to error message which precedes this in the dayfile for cause and suggested action.	CCL
CCL125-NUMBER OF CARDS SUPPRESSED = s	Informative message. A statement which CCL is printing from an internal buffer continued over more cards or lines of input than buffer size. CCL prints first three cards or lines, then prints this message to indicate number of cards or lines suppressed, s. Remaining cards or lines of statement follow this message.	No action required.	CCL
CCL126-STATEMENT TERMINATOR MUST FOLLOW LABEL	Fatal user error. Either of following conditions may produce this error. - A label string is last parameter on an ELSE, ENDIF, ENDW, IFE, SKIP, or WHILE statement. It must be followed by a period or a right parenthesis. - A CCL expression contained a comma, and character string that followed was assumed to be a label string.	Terminate CCL statement with a period or a right parenthesis. Either remove comma or replace it with a left parenthesis, depending on nature of error.	CCL
CCL127-LABEL STRING EXCEEDS max CHARACTERS	Fatal user error. Label string parameter on an ELSE, ENDIF, ENDW, IFE, SKIP, or WHILE statement is greater than max characters. max is maximum number of characters defined by installation parameter IP.LCS.	Change label string on CCL statement to a label string with max or fewer alphanumeric characters.	CCL
CCL150-EXPRESSION CONTAINS INVALID OPERATOR o	Fatal user error. o is not a legal operator in preceding CCL statement.	If o is part of a character string, \$-delimit character string. If o is an intended operator, refer to NOS/BE Reference Manual for a list of valid operators.	CCL
CCL151-EXPRESSION FORMAT ERROR (IN FILE FUNCTION)	Fatal user error. Format of expression is illegal. Probable cause: use of commas or unbalanced left parentheses within an expression. If error was detected within a CCL FILE function, IN FILE FUNCTION is included in message. FILE function must be of form FILE (lfn,exp), where exp is a valid FILE function.	Check parentheses and balance unbalanced left parenthesis or remove excess commas from FILE function.	CCL
CCL152-POORLY FORMED FUNCTION NUM or DT	Fatal user error with following causes. - Separator after CCL function name is not a left parenthesis or function is not terminated by a right parenthesis. - Character string evaluated by CCL function contained special characters but was not \$-delimited.	Correct format of function. \$-delimit character string.	CCL
CCL153-ILLEGAL FUNCTION CALL WITHIN FILE FUNCTION	Fatal user error. A CCL NUM or FILE function was called from within a FILE function.	Restructure CCL expression so NUM or FILE function is no longer within a FILE function.	CCL
CCL154-ILLEGAL EXPONENT	Fatal user error. A negative exponent in a CCL expression is illegal.	Remove minus sign preceding exponent.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL155-OPERATOR OR OPERAND SEQUENCE ERROR	Fatal user error with following causes. - Sequence of adjacent operators is illegal. For example, 3*-4 is not allowed. - An operand is adjacent to a left or right parenthesis. Implied multiplication is not allowed. For example, 3(R1+1) is illegal.	Use parentheses to separate adjacent operators. Use an operator to separate operand and parenthesis.	CCL
CCL156-STRING TOO LONG-string	Fatal user error. Listed character string is too long for a CCL expression. A character string may not be longer than 10 characters, excluding \$ delimiters for literals.	Shorten character string to 10 characters or less.	CCL
CCL157-UNKNOWN NAME-string	Fatal user error. Alphanumeric character string is not a symbolic name recognized by CCL.	Replace string with a valid symbolic name. Refer to NOS/BE 1 Reference Manual for a list of valid symbolic names.	CCL
CCL158-OPERATOR/TERMINATOR MUST FOLLOW FUNCTION f	Fatal user error. CCL function was properly formed and positioned within CCL statement, but it was not followed by an operator, separator, or terminator. f One of the functions DT, FILE, or NUM	Place an operator, separator, or terminator after function depending on nature of CCL statement.	CCL
CCL159-FIRST PARAMETER INVALID IN SET STATEMENT	Fatal user error. First parameter in SET statement was not one of following symbolic names: DSC, EF, EFG, R1, R2, R3, R1G.	Replace first parameter with a valid symbolic name.	CCL
CCL160-NUMERIC OR LITERAL IN FILE FUNCTION	Fatal user error. Expression of a FILE function may contain only symbolic names defined for function.	Remove numeric or literal character string. Refer to NOS/BE Reference Manual for a list of FILE symbolic names.	CCL
CCL161-STACK OVERFLOW	Fatal user error. Evaluation of an expression overflowed either operator or operand stack.	Check expression for errors and correct. If no errors, either simplify expression or break it apart so that two or more CCL statements have same effect as one.	CCL
CCL163-SUBSYSTEM REFERENCE ERROR	A name referenced by the SS function is something other than UNDEFINED.	Correct problem and retry.	CCL
CCL200-PROCEDURE NESTING LEVEL lmt EXCEEDED	Fatal user error. Current procedure call forced procedure nesting to exceed limit of lmt, which is defined by installation parameter IP.PNL.	Reposition procedure call statements so limit lmt is not exceeded.	CCL
CCL201-PROCEDURE NAME MORE THAN 7 CHARACTERS	Fatal user error. Procedure name cannot be greater than 7 characters.	Rename procedure.	CCL
CCL203-PROCEDURE FILE NAME NOT SPECIFIED OR INVALID	Fatal user error with following causes. - File name specified on BEGIN statement was greater than 40 characters. - pfile parameter on BEGIN statement was null, indicating default file name. CCL was installed with IP.DPF default file flag turned off; no default file name is allowed.	Specify a file name with 40 or fewer characters. Specify a file name.	CCL
CCL204-MULTIPLE EQUIVALENCE SPECIFICATIONS FOR fk	Nonfatal user error. A keyword fk has been specified more than once on procedure call statement. Last definition prevails.	If first specification is desired, remove second specification. If second specification is desired, no action is required.	CCL
CCL205-FORMAL PARAMETER LIST DOES NOT INCLUDE-fk	Fatal user error. While in equivalence mode, CCL discovered a keyword fk on procedure call statement that was not specified on header statement.	Remove keyword fk from procedure call statement.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL206-SYMBOLIC SPECIFICATION INVALID param	Fatal user error. A parameter, param, on procedure call statement is followed by a plus sign. Plus sign indicates that CCL is to convert value to display code, and is valid only when preceded by a symbolic name and followed by a D, B, or a null field. (Example R1+B is a legal value, but 37+R1 is not.)	If plus sign is part of a character string, \$-delimit character string. If plus sign should convert a symbolic name to display code, replace param with a valid symbolic name. Refer to NOS/BE Reference Manual for a list of valid symbolic names.	CCL
CCL207-PROCEDURE NAMED BEGIN IS INVALID	Fatal user error. A procedure must not be named BEGIN.	Select another procedure name.	CCL
CCL211-SPECIFICATION EXCEEDS max CHARACTERS	Fatal user error. Value on a procedure call statement or default value on a procedure header statement is greater than max characters. max is defined by installation parameter IP.SCS.	Specify a value with max or fewer characters.	CCL
CCL212-SEPARATOR INVALID string s	Fatal user error. s is illegal separator and string is character string that precedes s. Any of following conditions produces this error. - On a procedure call statement, separator preceding a formal keyword or a positionally specified value is not a comma. - Invalid separator is part of a character string. If a valid separator immediately precedes illegal separator s, string is null. - #DATA or #FILE has been specified on procedure call statement.	Change separator s to a comma. \$-delimit character string. Remove #DATA or #FILE from procedure call statement and specify on procedure header statement.	CCL
CCL230-PROCEDURE FILE NOT FOUND	Fatal user error. No local file was found with file name indicated on BEGIN statement. Automatic attach of a permanent file with that name was inhibited by installation parameter IP.ATT.	Check file name for errors and correct. If name is correct, attach file prior to BEGIN statement.	CCL
CCL231-PROCEDURE NOT FOUND	Fatal user error. Local or permanent file indicated on BEGIN statement was found, but CCL could not find procedure on the file.	Check procedure name for errors and correct. If name is correct, check file for procedure.	CCL
CCL234-UNABLE TO LOCATE LIBRARY PARTITION proc	Fatal user error. CCL could not find procedure proc, specified on call-by-name statement, on currently defined library set.	Check procedure name for errors and correct, check library for procedure.	CCL
CCL235-FORMAL PARAMETER GT max CHARACTERS	Fatal user error. Number of characters in a formal keyword on header statement exceeds max, as defined by installation parameter IP.FPC.	Define a formal keyword with max or fewer characters.	CCL
CCL236-SPECIAL DEFAULT SPECIFICATION UNKNOWN	Fatal user error. Equivalence symbol (or under ASCII the pound sign), which specifies a special default option on procedure header statement, must be followed by a known keyword of either FILE or DATA.	If equivalence symbol or pound sign is part of a character string, \$-delimit character string. If a special default option is desired, follow equivalence symbol with either DATA or FILE.	CCL
CCL237-SEPARATOR FOLLOWING SECOND DEFAULT IS */*	Fatal user error. In form fk=default/default2/on procedure header statement, second / is illegal.	If / is part of default2, \$-delimit character string. If not, either remove it or replace it with a comma or period.	CCL
CCL238-FORMAL PARAMETER LIMIT max EXCEEDED	Fatal user error. Number of formal parameters on procedure header statement has exceeded max as defined by installation parameter IP.FP.	Remove formal parameters from procedure header statement until max or fewer parameters remain.	CCL
CCL239-PROCEDURE HEADER NOT TERMINATED	Fatal user error. Procedure header statement was not terminated by a period.	Terminate header statement with a period.	CCL
CCL250-CONCATENATED STRING EXCEEDS 80 CHARACTERS	Fatal user error. Use of a right arrow (or underline character in ASCII) produced a linked string of more than 80 characters, or a string of 80 characters with a following separator.	Reduce number of linked characters.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL251-DATA COMMAND SPECIFIED CCL FILE- Lfn	Fatal user error. File name that user specified on a .DATA command is a CCL work file. Lfn File name	Select another file name.	CCL
CCL252-PROCEDURE CONTAINS NO CONTROL STATEMENTS	Informative message. A procedure should contain at least one control statement.	No action required; however, adding at least one control statement would be practical.	CCL
CCL253 - PROC BODY STRING EXPANDS .GT. 150.	After parameter substitution, a single contiguous string in the procedure body is longer than the maximum line length.	Rewrite the string using fewer characters or fewer concatenated strings.	CCL
CCL261-ENDW WITH MATCHING LABEL FOUND	Nonfatal user error. CCL encountered an ENDW statement in job control statement record before finding a WHILE statement with a matching label string. A search is initiated for corresponding WHILE statement. If a WHILE statement with a matching label string is found and WHILE expression is true, normal processing continues with statement following WHILE statement. If WHILE expression is false or if no WHILE statement with a matching label string is found, CCL skips all remaining statements in control statement record.	Check for a WHILE statement and add if not present. If present, see if WHILE and ENDW label strings match and are correct. If they match, place WHILE statement before ENDW statement.	CCL
CCL262-CONTINUING SEARCH, PRINTING SKIPPED CARDS	Informative message. To assist in isolation of WHILE statement errors such as CCL261, all skipped statements will be printed in user's dayfile until WHILE search is complete.	No action required.	CCL
CCL263-EXTERNAL ABORT DURING ENDW SEARCH FOR WHILE	An external abort condition (operator drop or time limit) has occurred during CCL ENDW processor search for the WHILE control statement. A REPRIEVE has returned control to CCL and an ABORT is expected to terminate the job step.	Refer to additional messages issued with this one to determine action.	CCL
CCL270-ERR IN CCL WORK FILES REVERT TO JOB FILE	Fatal user error. An error was encountered in a file used by CCL because of user manipulation of procedures or data. An attempt is made to return to user's assigned job file. If unsuccessful, the job terminates. If successful, job aborts and system searches for an EXIT statement.	CCL work files are not designed for user manipulation; user is cautioned against such usage. Rewrite the job and/or procedures without manipulating CCL work files and resubmit.	CCL
CCL271-REVERT NOT ALLOWED WITHIN JOB FILE	Fatal user error. A REVERT statement cannot appear in control statements of job file.	Remove REVERT statement.	CCL
CCL272-INVALID REVERT PARAMETER-param	Fatal user error. Parameter param was used on REVERT statement. REVERT statement allows only ABORT parameter or no parameters.	Remove parameter param or replace with ABORT.	CCL
CCL300-NON-NUMERIC CHARACTER WITHIN NUMERIC TERM	Fatal user error. An element of an expression which begins with a numeric character cannot contain a nonnumeric character except B or D as a post radix.	Remove any nonnumeric characters other than a post radix B or D.	CCL
CCL302-8/9 DIGIT CONFLICT WITH POST RADIX OF B	Fatal user error. An 8 or 9 is illegal in an octal number.	Remove any 8's or 9's if number is octal or remove post radix B if number is decimal.	CCL
CCL303-LITERAL NOT TERMINATED	Fatal user error. A literal which begins with a dollar sign was not terminated by a second dollar sign before end of card or line of input was detected.	Place a second dollar sign at end of character string denoted as a literal.	CCL
CCL304-STRCCL-SCATTER BUFFER HEADER INVALID	Fatal system error. This is an internal CCL problem.	Notify system analyst.	CCL
CCL321 - EXPECTING (AFTER PARAMETER= ON PROC HEADER	In an interactive procedure, the equal sign after a parameter name or description must be followed by a period, comma, or left parenthesis to indicate the start of a checklist.	Correct statement and retry.	CCL
CCL322 - END HEADER WITH . OR USE , / \ BEFORE PARAM	The *I after the procedure name or a procedure parameter must be followed by a period, comma, slash, or reverse slash.	Correct statement and retry.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL323 - EXCESS PATTERNS/VALUES - PROC HEADER	Too many checklist patterns and/or values on the procedure header.	Reduce the number of checklist patterns and/or values on the procedure header statement.	CCL
CCL324 - CHECKLIST PATTERN MUST BE *N *K *F *A *S	The asterisk in a checklist pattern was not immediately followed by N, K, F, A, or S.	Correct statement and retry.	CCL
CCL325 - *SN(SET) N MUST BE .LE. 40 AND .GE. 1	The number of characters specified for the set was 0 or more than 40.	Specify 1 to 40 characters in the set and retry.	CCL
CCL326 - I OR M MUST FOLLOW PNAME* ON HEADER	Fatal error. The procedure name must be followed by *I for interactive procedures or by *M for menu procedures.	Insert *I or *M after the procedure name.	CCL
CCL327 - EXPECTING VALUE AFTER PATTERN = ON HEADER.	CCL does not recognize the syntax immediately following the equal sign in the checklist. CCL expects an alphanumeric value, literal, or special name.	Correct procedure header statement and retry.	CCL
CCL328 - HEADER PARAMETER DESCRIPTION TOO LARGE.	Fatal error. A procedure header parameter description exceeds 40 characters.	Reduce the size of the description string.	CCL
CCL329 - MISC. AFTER HEADER PARAMETER DESCRIPTION	The only characters allowed to follow the terminating quotation mark of a parameter description are the equal sign, period, right parenthesis, slash, reverse slash, or comma.	Correct statement and retry.	CCL
CCL330 - EXPECTING , = OR) AFTER CHECKLIST PATTERN	A right parenthesis must terminate a checklist and commas must separate checklist entries. An equal sign must be used in the checklist entries that are in the form pattern = value.	Correct statement and retry.	CCL
CCL331 - EXPECTING , OR) AFTER PATTERN VALUE	A right parenthesis must terminate a checklist. Commas must separate checklist entries.	Correct statement and retry.	CCL
CCL332 - WRITE SET AS *SN(SET) ON PROC HEADER	A set pattern in a checklist must be written as *S followed by an optional, unsigned integer between 1 and 40, followed by 1 to 40 characters enclosed in parenthesis.	Correct set pattern and retry.	CCL
CCL333 - DUPLICATE *K *N - PROC HEADER	A checklist may contain only one *K and one *N pattern.	Ensure single *K and *N entries in each checklist and retry.	CCL
CCL334 - MISSING QUOTE - PROMPT/TITLE/DESCRIPTION	Fatal error. A prompt, title or description string on the procedure header must begin and end with a quote and cannot extend onto another line.	Insert quotes.	CCL
CCL335 - DESCRIPTION MISSING] BRACKET	Fatal error. The terminating] bracket on a description string was not found.	Write the description string beginning with a [and ending with a] bracket on one line.	CCL
CCL336 - PATTERN OR VALUE ON PROC HEADER .GT. 40 CHAR	A single checklist item can contain literal patterns and replacement values (values which stand for themselves). These values must not exceed 40 characters in length.	Correct statement and retry.	CCL
CCL352 - HELP PARAMETER NAME NOT FOUND	If a comma follows the .HELP statement, CCL expects to find a parameter name.	If the text following the .HELP statement describes a procedure parameter, append the parameter name to the .HELP statement. If the text following the .HELP statement describes the procedure, delete the comma.	CCL
CCL353 - ONLY COMMA ALLOWED AFTER .HELP	Only a comma can follow the .HELP statement.	Correct .HELP statement and retry.	CCL
CCL354 - .HELP STATEMENT INCORRECTLY WRITTEN	The .HELP statement can have one of two formats: HELP or HELP,parameter name,NOLIST NOLIST is an optional parameter. The .HELP statement must not have a terminator.	Correct .HELP statement and retry.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CCL355 - NO .ENDHELP FOR .HELP	CCL found an end-of-partition before it encountered an .ENDHELP statement.	Add an .ENDHELP statement and retry.	CCL
CCL357 - DUPLICATE HELP STATEMENTS IN PROC BODY	Either more than one .HELP statement with no parameter name was found or more than one .HELP statement with the same parameter name was found.	Delete duplicate .HELP statements and retry.	CCL
CCL373 - EXPECTING (OR , AFTER .IF .ELSE .ENDIF.	A .IF, .ELSE, or .ENDIF directive in the procedure body must have a left parenthesis or a comma immediately following the directive name.	Insert a left parenthesis or a comma.	CCL
CCL374 - EXPECTING PERIOD AFTER .EX.	A period must follow the .EX directive name in the procedure body.	Insert a period after the directive name.	CCL
CCL375 - COMMAND IS NULL ON .EX DIRECTIVE.	You have not specified a command on the .EX directive.	Specify a command on the directive.	CCL
CCL376 - .IF DIRECTIVE HAS INCOMPLETE EXPRESSION.	A .IF directive in the procedure body is incomplete.	Complete the expression and add a label or command to the directive.	CCL
CCL377 - EXPECTING,) or .AFTER .IF EXPRESSION.	A comma, period, or right parenthesis must follow the expression on a .IF directive in the procedure body.	Insert a comma, period, or right parenthesis after the expression.	CCL
CCL380 - EXPECTING TITLE OR, AFTER * M ON HEADER	Fatal error. A title, if there is one or a comma was not found immediately following the * M on a menu procedure.	Place a title surrounded by quotes after the * M or else place a comma after * M.	CCL
CCL381 - KEYWORD MISSING ON MENU HEADER.	You must specify a formal parameter keyword after the procedure name in the procedure header of a menu-generating procedure.	Insert a parameter keyword.	CCL
CCL382 - PROMPT ON PROC HEADER IS TOO LARGE.	A prompt string on your procedure header is greater than 40 ASCII or 80 display code characters.	Reduce the size of the prompt string.	CCL
CCL383 - MISSING SELECTION ON MENU HEADER.	Your procedure header checklist has a null specification.	Specify a checklist with integer selections.	CCL
CCL384 - TITLE ON PROC HEADER IS TOO LARGE.	A title string on a menu procedure header is greater than 40 ASCII or 80 display code characters.	Reduce the size of the title string.	CCL
CCL385 - EXPECTING = AFTER KEYWORD ON HEADER.	An equal sign or a title string must follow the parameter keyword on your procedure header.	Insert an equal sign after the parameter keyword.	CCL
CCL386 - EXPECTING COMMA AFTER HEADER TITLE.	Fatal error. A character other than a comma follows the title string on your procedure header.	Insert a comma after the title string.	CCL
CCL387 - BEGINNING OF HEADER CHECKLIST NOT FOUND.	Either your procedure header does not contain a checklist or the checklist begins with a special character other than a left parenthesis.	Specify a checklist beginning with a left parenthesis.	CCL
CCL388 - EXPECTING INTEGER HEADER SELECTION OPTION.	You specified a noninteger selection in your procedure header checklist. A selection must be a 1- to 10-digit integer.	Make all menu selections integers.	CCL
CCL390 - EXPECTING , OR) AFTER CHECKLIST SELECTION.	You specified a special character other than comma or right parenthesis after a menu selection on your procedure header.	Replace the special character with a comma or terminate the checklist with a right parenthesis.	CCL
CCL392 - EXPECTING , OR) AFTER HEADER PROMPT.	You specified a special character other than comma or right parenthesis after a prompt string on your procedure header.	Replace the special character with a comma or terminate the checklist with a right parenthesis.	CCL
CCL393 - EXPECTING PERIOD AFTER HEADER CHECKLIST.	You specified either no period or a special character other than a period following a procedure header checklist.	Insert a period after the checklist.	CCL
CCL394 - TOO MANY HEADER SELECTIONS SPECIFIED.	You specified more than 50 menu selections in your procedure header checklist.	Reduce the number of selections.	CCL
CCL395 - HEADER SELECTION EXCEEDS 10 CHARACTERS.	In your procedure header, a menu selection number contains more than 10 digits.	Use 10 or fewer digits for your selection.	CCL
CCL398 - EXPECTING HEADER COMMENT KEYWORD .LE. 10 CHAR.	Fatal error. The character string immediately following the terminator on the procedure header is longer than 10 characters. The character string must be a keyword, not text or comments.	Use a parameter keyword, 10 characters or less.	CCL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CDF - CALLED FROM CONTROL POINT ZERO	CDF routine cannot be called from control point zero.	Notify system analyst.	CDF
CDF - CHANNEL RESERVATION PROBLEM	CDF routine attempted to reserve the same channel twice, or two channels simultaneously.	Notify system analyst.	CDF
CDF - COMPLETE BIT ALREADY SET	The reply word for CDF has the complete bit set before the function was called.	Correct program to insure the complete bit is not set before issuing the CDF request.	CDF
CDF - CONTROL POINT ERROR FLAG SET	CDF found the control point error flag byte in the caller's control point area to be nonzero. See the following dayfile message for reason (DROP, TIME LIMIT, etc.).	No action required.	CDF
CDF - COULD NOT FIND CONTROL POINT DAYFILE	A dayfile FNT did not exist for the calling program.	Notify system analyst.	CDF
CDF - COULD NOT FIND SYSTEM DAYFILE	A dayfile FNT did not exist for the system dayfile.	Notify system analyst.	CDF
CDF - DAYFILE FNT CANNOT BE LINKED	CDF attempted to add a supplement to an FNT that already had one.	Notify system analyst.	CDF
CDF - FILE ALREADY EXISTS	Fatal user error. File requested already exists at this control point.	Correct problem and retry.	CDF
CDF - INCORRECT ACCESS TO SYSTEM DAYFILE	The caller attempted to access the system dayfile without being loaded from a system library.	Correct problem and retry.	CDF
CDF - INCORRECT FILE NAME	File name for dayfile copy given in CDF call is incorrect.	Correct problem and retry.	DAYFILE
CDF - INCORRECT FUNCTION CODE	The function code specified in the CDF request is not supported.	Correct problem and retry.	CDF
CDF - PARAMETER WORD IS NOT IN FL	The parameter address provided on the CDF request is not within field length.	Correct problem and retry.	CDF
CEM ADDRESS ERROR	System error; routine CEM called to issue file error message, but with incorrect file environment table address.	Notify system analyst.	CEM
CEM CALLED WITH ILLEGAL ERROR CODE xxxx	Invalid error code has been detected. The system is put in step mode. Requesting PP is hung.	Notify system analyst. Perform a deadstart dump and attempt a level 3 (recovery).	CEM
CEM NOT INSTALLED	CEM user call when ECS not installed.	Remove CEM call and retry.	CEM
CEM WORKING FLAG NOT SET WHEN CALLED	Informative message indicating a probable software problem. Some error log entries may be lost because of the error, but overall system operation is not affected.	Notify system analyst.	CEM
CERFILE ATTACH FAILED, NEW CYCLE CATALOGED	Informative message.	No action required.	TDS
CHcc COUPLERe MALFUNCTION	1FE detected channel error or 2550 front end NPU error on channel cc, equipment e. 1FE also recorded a CE error file message, stopped servicing the NPU, and called OFA to dump the NPU.	Notify customer engineer.	1FE
CHcc NPUuu BAD BT=bt	Illegal block type (octal) received from NPU. cc NPU channel uu NPU unit bt Block type	Notify system analyst.	1NI
CHcc NPUuu BAD CLR=clr	Configure line response code (octal) received from NPU. cc NPU channel uu NPU unit clr Configure line response code	Notify system analyst.	1NI
CHcc NPUuu BINARY DMP CATALOGED	A binary dump of NPU has been cataloged as a permanent file. Dump was initiated by an operator command n.X DUMPNPU or by a problem discovered by front-end driver. cc NPU channel uu NPU unit	Notify system analyst.	1NI

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CHcc NPUuu DMP LOST PFERR err	A binary dump of NPU could not be cataloged because of permanent file error. cc NPU channel uu NPU unit err Permanent file error	Notify system analyst.	1NI
CHcc NPUuu LOCaddr BAD STATUSstat	Bad data or bad coupler status (octal) found while accessing macromemory location addr (hexadecimal). cc NPU channel uu NPU unit stat Status	Notify customer engineer.	1NI
CHcc NPUuu nNI NOT IN PP DISK LIBRARY	One of 1NI's overlays was not in the peripheral processor library. cc NPU channel uu NPU unit n Overlay number	Notify system analyst.	1NI
CHcc NPUuu xxx NOT IN PP DISK LIBRARY WILL ATTEMPT TO USE ODF	The 2550 overlay that matches the terminal configuration is not in the peripheral processor library. The 2550 variant with all the terminals defined will be loaded. cc NPU channel uu NPU unit xx Overlay name	No action required.	1NI
CHcc NPUuu NPU LOAD/DUMP ERRec	Error occurred during load or dump of NPU. Individual error codes follow. cc NPU channel uu NPU unit ec Explanation 000-077 Possible NOS/BE INTERCOM software error 100-177 Possible 2550 NPU software error 200-277 Possible channel or 2550 coupler error 300-377 Possible hardware error The following is a detailed list of these error codes. ec Explanation 002 Illegal asynchronous line speed. 003 Illegal terminal definition. 004 Illegal code set in multiplexer subtable. 005 Illegal site field in multiplexer subtable. 006 Error in obtaining pseudo EST ordinal. 010 Driver Communication Area (DCA) is full. 011 Channel is reserved or not in CHARRAY. 012 Channel not reserved or not in CHARRAY. 013 The first word address exceeds the last word address for a dump of macromemory. 016 Illegal parameter. 017 Subroutine ordinal is too large. 021 Block length of load is zero. 022 Block length of load must not be zero. 023 Length of input block is zero. 101 Block end byte does not have bit 11 set to 1. 102 Illegal primary function code. 103 Illegal destination node (DN). 104 Illegal source node (SN). 105 Illegal connect number (CN). 106 Illegal upline command block. 107 Illegal block length. 111 Incorrect port in configuration line response. 114 No NPU response after load. 115 Improper NPU response after load. 117 Illegal subport in configuration line response. 120 Improper status received. 122 Micromemory dump bootstrap is inactive. 123 Incorrect configuration line response count. 124 NPU is down. 126 No response after micromemory load. 127 Improper response after micromemory load. 200 Channel must not be active.	For error codes 000-177, notify customer engineer. For error codes 200-377, notify customer engineer.	1NI

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	201 Channel empty too long.		
	202 Coupler disconnected the channel.		
	203 Coupler did not set status byte for channel.		
	204 Attempt to activate channel failed.		
	205 Channel is active.		
	206 Channel must not be active.		
	207 Channel full too long.		
	210 Channel must not be active before the IAM command is entered.		
	211 Attempt to disconnect channel failed.		
	212 Attempt to activate channel failed.		
	213 Channel must not be full.		
	214 Channel must not be empty.		
	215 Channel must not be active after the IAM command is entered.		
	216 Channel must not be active.		
	217 Coupler disconnect interrupted a read operation.		
	220 Coupler disconnect interrupted a read operation.		
	221 Attempt to disconnect channel failed.		
	222 Attempt to activate channel failed.		
	250 Channel must not be active.		
	251 Attempt to activate channel failed.		
	252 Channel must not be active.		
	253 Channel must not be active after entering IAM command.		
	260 Illegal DN in NPU initialization service message (SM).		
	261 Illegal SN in NPU initialization SM.		
	262 Illegal CN in NPU initialization SM.		
	263 Illegal block type (BT) in NPU initialization SM.		
	264 Illegal primary function code (PFC) in NPU initialization SM.		
	265 Illegal secondary function code (SFC) in NPU initialization SM.		
	270 No NPU response after initialization SM.		
	271 Illegal response after initialization SM.		
	273 Illegal response after initialization SM.		
	300 Improper read of cleared macromemory.		
	301 Disk error.		
	303 Coupler did not disconnect channel soon enough.		
	304 Cannot access macromemory.		
CHcc NPUuu NPU NOT LOADED	Front end macromemory software failed to load. cc NPU channel uu NPU unit	Notify system analyst.	1NI
CHcc NPUuu OF A CTct ILLEGAL	OFA called with illegal call type. cc NPU channel uu NPU unit ct Call type	Notify system analyst.	1NI
CHcc NPUuu UNCONFIGURED	The 255x indicated did not have a multiplexer subtable configuration. cc NPU channel uu NPU unit	Notify system analyst.	1NI
CHcc NPUuu ZZZZ0x NOT IN FNT	PP library directory or file incorrect. cc NPU channel uu NPU unit	Notify system analyst.	1NI
CHcc NPUuu OFx NOT IN PP DISK LIBRARY	Front end macromemory software missing from PP library. cc NPU channel uu NPU channel	Notify system analyst.	1NI
CHANNEL ACTIVE ERROR	A channel is still in an active state after an attempt to deactivate it.	Notify system analyst.	CTI

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CHANNEL cc ALREADY DOWN	Nonfatal operator error. Operator tried to down a channel already down. cc Channel number	Check cc paramter in DOWN, CHcc. entry for errors. Specify a valid channel.	1LC
CHANNEL cc CANNOT BE DOWNED	Nonfatal operator error. Channel cc is not a tape channel.	Check cc parameter in DOWN, CHcc. entry for errors. Specify a valid channel.	1LC
CHANNEL cc CONTROLLER DOWN	System hardware error. Operator cannot correctly load conversion tables to tape controller on channel cc.	Notify customer engineer.	1LC
CHANNEL cc DOWN CHANNEL ERROR	System error. Operator attempted to down channel cc, but system could not find it. EST or URT was probably overwritten; memory was destroyed.	Notify system analyst.	1LC
CHANNEL cc DOWNED	Fatal hardware error.	Notify customer engineer.	1LC
CHANNEL cc PARITY ERROR	Parity error-I/O channel cc.	Notify customer engineer.	1SC
CHANNEL cc RETURNED TO SERVICE	Informative operator message. Channel cc has been restored (in next available channel position) to tape ESTs that are associated with channel cc.	No action required.	1LC
CHANNEL cc UP CHANNEL ERROR	System error. Operator attempted to up channel cc but system could not find it. EST or URT was probably overwritten; memory was destroyed.	Notify system analyst.	1LC
CHANNEL cc WAS NOT PREVIOUSLY DOWN	Nonfatal operator error. Operator attempted to up a channel cc that was not down.	Check cc parameter in UP, CHcc command for errors. Specify correct channel.	1LC
CHANNEL cc WAS REMOVED FROM SERVICE	Operator message. Because of a system error, channel cc was removed from appropriate byte of tape ESTs that are associated with channel cc.	When channel becomes available, type UP,CHcc.	1LC
CHECK UNuu HIT CR	Problem with tape unit uu.	Check unit for any problems and retry.	DTS
CHECKPOINT COMPLETE-QUAD m-n	Operator message. A system checkpoint has been taken in response to a fatal central memory error in quadrant m of CSU n.	Notify customer engineer. It is possible to manually degrade memory to exclude the failing quadrant and perform a checkpoint recovery deadstart.	1SC
CHECKPOINT nnnn ON lfn	Informative message giving checkpoint number nnnn and file name lfn. nnnn Checkpoint number	These are parameters to use if a RESTART is to be done from this position of the job.	1RC
CHECKSUM ERROR RB = rb PRU = pru	Conflict between loading checksum and computed checksum. Deadstart will not proceed: rb Record block pru Physical record unit	Notify system analyst.	IRCP
CIO CODE NOT DEFINED ON DEVICE	User error. Function code in file environment table is not applicable to device containing file. Return dependent on EP bit setting; error code 30.	Correct problem and retry.	6WM 4ES
CIO CODE NOT DEFINED ON MAG TAPE	User error. Function code in file environment table is not applicable to device containing file. Returns if EP bit set; error code 30.	Correct problem and retry.	31M
CIO IS NOT A MEMBER OF THE PP LIBRARY	Informative message.	Correct problem and retry.	EDITLIB
CKP FILE UNKNOWN (RST)	Restart not possible because checkpoint file name does not exist.	Notify system analyst.	RST
CKP FROM INTERCOM TERM NOT ALLOWED	Informative message.	Submit job as a batch job.	CKP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CKP PARAD INVALID, GO OR DROP	Parameter address is less than 100B.	If GO is given, checkpoint will be done as if operator had requested it.	CHECKPT
CKP REQUESTED	CKP begins processing.	No action required.	CKP
CKP TAPE INVALID (RESTART)	Bad records on CKP tape. Checkpoint tape was not mounted or tape was overwritten.	Correct problem and retry.	RESTART
CKP TAPE MUST BE SCOPE STANDARD FORMAT	Cannot be S tape.	Correct problem and retry.	CKP
CKSUM ERROR RC.recno,CD.cardno	Checksum error on binary card. The error is on card cardno in record recno.	User should correct binary card.	1IR
CLR CP FOR AUTO RELOAD CHnn.	A control point is needed for AUTOL job to reload controlware in a hung controller. nn is channel number.	Type n.CLEAR.	1SQ
CM ADDRESS OUT OF RANGE - OUX	Fatal system software error.	Notify system analyst and retry.	OUX
CM FATAL ERROR	An uncorrected CM error exists.	Notify customer engineer.	1MR
CM SECDED-QUADRANT m-n DEADSTART ABORTED	Operator message. A double-bit SECDED error has been detected in quadrant m of CSU n.	Notify customer engineer. It is possible to manually degrade memory to exclude failing quadrant and redeadstart.	CED
CM WILL BE ALTERED BY LOADING CMR ON -NO- OPTION	Informative message.	No action required.	CED
CMC PARITY ERROR	Address or data parity error - CMC.	Notify customer engineer.	1SC
CMR IS NON-XJ AND CEJ/MEJ IS ENABLED. TYPE CARRIAGE RETURN TO CONTINUE	CMR is assembled to not use the XJ instruction, but it has been enabled.	If the system was assembled with XJ protection (IP.XJ=-1), enter carriage return to continue. Otherwise, disable XJ instruction and repeat deadstart.	COM
CMR IS XJ-TYPE AND CEJ/MEJ IS DISABLED. DEADSTART NEW CMR/XJ SELECTION	CMR is assembled to use the XJ instruction, but it has been disabled.	Correct CEJ/MEJ switch and then deadstart again.	CONTROL
CMR IS NON-XJ AND IS NOT COMPATIBLE WITH THE PROCESSOR TYPE DEADSTART NEW CMR/XJ SELECTION	CMR is configured without the XJ option and cannot execute on a CYBER 176 mainframe.	Configure CMR with the XJ option (IP.XJ). Then reassemble CMR and rebuild deadstart tape.	COM
CMR IS NOT A LEGAL SEGMENT NAME	Fatal user error. CMR was specified as a CMRDIR segment.	Remove segment CMR from CMR directory.	LDCMR
CMR LIBRARY SHOULD BE DISK RESIDENT	Informative message.	System library containing CMR binaries should be moved to disk. No need to use ECS or CM space for this library.	LDCMR
CMR MAB SIZE TOO SMALL LENGTH IS nnB WORDS SHOULD BE mmB WORDS DEADSTART ABORTED	The size of the MAB as defined in byte 1 of P.MAB (word 52B) is not large enough to hold the MAB data being generated. nn Current size of MAB mm Proper size of MAB	Ensure that the proper CMR was selected. Set L.MAB to proper value, reassemble CMR, and make new deadstart tape.	CONTROL
CMR SPECIFIED NOT FOUND. CHECK CMR NUMBER AND REDEADSTART	The record read by CONTROL is not formatted correctly for a CMR.	Check the CMR number and redeadstart.	CONTROL
CNTRLR CHnn OFF - RELOAD FAILED	Attempt to reload controlware failed. Access to controller on channel nn has been turned off.	Notify system analyst or customer engineer.	DLL
CNTRLR CHnn OFF - RELOAD LIMIT	Automatic controlware reload limit reached. Access to controller on channel nn has been turned off.	Notify system analyst or customer engineer.	DLL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CODED 9 TRACK S/L TAPE FOR INPUT & OUTPUT, OPTIONED CHARACTER CONVERSION RESULTS	Informative message.	No action required.	COPYCF COPYCR
CODED 9 TRACK S/L TAPE OUTPUT-4 8-BIT CHARACTERS GO TO 4 6-BIT CHARACTERS WITH OPTIONED CHARACTER CONVERSION	Informative message.	No action required.	COPYCF COPYCR
COMMON BLOCKS NOT PERMITTED-seg	Fatal user error. Segment seg contains a common block.	Remove common blocks from segment seg.	LDCMR
COMPLETE DIRECTIVE WAS NOT FOUND BEFORE INPUT WAS EXHAUSTED	Informative message.	Correct problem and retry.	EDITLIB
COMPLETE ENCOUNTERED BEFORE A FINISH	Informative message.	No action required.	EDITLIB
COMPLETE ENCOUNTERED BEFORE DSD WAS TRANSFERRED	Fatal error.	No action required.	EDITLIB
COMPLETE EVICTD, Daa	Informative message. Issued when all of dependency group aa has been evicted.	No action required.	1MH
COMPLETE REQUIRED BEFORE ANOTHER READY	Informative message.	Correct EDITLIB directives and retry.	EDITLIB
CON - WAIT FILE NOT BUSY	Informative message.	If message persists, notify system analyst.	CON
CONFIGURATION CONFLICT	The system could not locate either the DDT entry associated with a disk EST entry or the TAPES or URT entry associated with a tape EST entry.	Delete the equipment (possibly by memory modification) and re-enter it.	IRCP
CONFLICT IN LABEL LOGIN TABLE, RUN RECOVER	Fatal system error.	Notify system analyst prior to running RECOVER.	MNT
CONFLICT OF RB rb IN RBR rbr AT RBT LOC addr	Informative message. rb Record block number rbr RBR ordinal addr RBT address	Enter one of the options listed in the message.	IRCP
OPTIONS- GO - CONTINUE THIS RBT CHAIN SKIP - SKIP TO NEXT RBT CHAIN			
CONNECT ILLEGAL FILE NAME	Illegal character in file name.	Correct problem and retry.	CON
CONNECT ILLEGAL FILE TYPE	The file must be on a rotating mass storage device.	Use a different file type.	CON
CONNECT PARAMETER OUT OF RANGE	Parameter word not in field length.	Correct problem and retry.	CON
CONNECTED TO scpname	System is attempting to terminate this job which has outstanding connections to scpname. scpname System control point name	Notify system analyst if message persists.	SSC
CONNECTION ESTABLISHED FOR pid	Informative message indicating connection is made to mainframe with physical identifier pid.	No action required.	MFINT
CONNECTION TERMINATED FOR pid	Informative message indicating connection has ended to mainframe with physical identifier pid.	No action required.	MFINT
CONTROL CARD ERROR	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
CONTROL CARD ERROR	Fatal user error.	Correct control statement and retry.	LOADPF RELABEL
CONTROL CARD ERROR	Fatal user error. Either control statement has too many parameters, or a parameter exceeds 7 characters or contains illegal characters.	Check number of parameters and remove excess parameters. If control statement contains a valid number of parameters, check for an illegal parameter. Correct parameter either by removing excess or illegal characters, or by \$-delimiting character string containing illegal characters.	1AJ

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CONTROL CARD ERROR	Fatal user error. Parameters specified caused error in ARG (argument processor COMCARG). - Illegal parameter (not in list or missing). - Illegal size (could not be handled by ARG).	Correct control statement.	SETCCP DMNT DUMPF VSN
CONTROL CARD ERROR - ACE	Illegal control statement.	Correct problem and retry.	ACE
CONTROL CARD ERROR, DEFAULT MAP SET.	A parameter on a MAP control statement is not a valid option. The default map option set at installation time will be used.	If default parameter is sufficient, ignore message. Otherwise, correct parameter and retry.	LDRCTL
CONTROL CARD ERROR. FILE COUNT NONNUMERIC	Illegal character encountered in a field that should contain a number. Job terminated.	Correct problem and retry.	COPYXS
CONTROL CARD ERROR (LABEL) param	Error in LABEL control statement. Job terminated. param If there was a parameter in error, it is printed in this field.	Correct problem and retry.	LABEL
CONTROL CARD ERROR - LABELMS	Fatal user error. Parameters specified caused error in ARG (argument processor COMCARG). - Illegal parameter (not in list). - Illegal size (could not be handled by ARG).	Correct control statement.	LABELMS
CONTROL CARD ERROR, NO ACTION TAKEN.	A REDUCE control statement with parameters was encountered.	Refer to the REDUCE control statement in the NOS/BE Reference Manual for the proper format.	LDRCTL
CONTROL CARD ERROR, NO CKPFILE (RESTART)	RESTART statement has two numbers instead of a number and file name. Job terminated.	Correct problem and retry.	RESTART
CONTROL CARD ERROR, NO NUMBER (RESTART)	Checkpoint number must be put on control statement. Job terminated.	Correct problem and retry.	RESTART
CONTROL CARD ERROR, NUMBER ERR (RESTART)	Checkpoint number must be unsigned and decimal integer greater than zero. Job terminated.	Correct problem and retry.	RESTART
CONTROL CARD ERROR, PARAM CNT (RESTART)	More than maximum of four parameters were specified on RESTART control statement. Job terminated.	Correct problem and retry.	RESTART
CONTROL CARD ERROR - ROUTE	Issued when ROUTE detects an invalid separator, a parameter that specifies a value that has too many characters, or a DEF= parameter.	Correct problem and retry.	ROUTE
CONTROL CARD HAS NO TERMINATOR	Informative message.	Supply terminator and retry.	PFCCP
CONTROL CARD REWIND (INPUT) IS ILLEGAL	System INPUT file cannot be rewind.	Correct problem and retry.	COPYN
jobname CONTROL POINT DROPPED	System job drop or kill. jobname Name of system job	No action required.	1EJ
CONTROL PT ERROR FLAG ON	Fatal system error.	Operator and user should consult before rerunning; operator may have dropped or killed job during execution.	MNT
CONTROL STATEMENT PARAMETER LONGER THAN 7 CHARACTERS	A specified parameter has more than 7 characters.	Correct problem and retry.	COPY COPYN COPYSBF
COPY COMPLETED	All records have been copied to the output tape.	No action required.	BNP
COPYING-type/name	Informative message. The record with the type and name on the old file was copied to the new file.	No action required.	COPYL COPYLM
COPYING INPUT TO RANDOM FILE	Informative message. Input is sequential and is copied to a random file for random access.	No action required.	LDCMR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
COPYL COMPLETE	Informative message. All records on the old file have been processed.	No action required.	COPYL COPYLM
COPYL DID NOT FIND-type/name	Informative message. The record with type and name on the replacement file was not found on the old file. Since the A option was not selected, the record is ignored.	No action required.	COPYL COPYLM
COPYXS - INSUFFICIENT FIELD LENGTH	Minimum field length is 12000 octal.	Correct problem and retry.	COPYXS
COULD NOT READ FLAWS FROM CMR	A fatal system error occurred during deadstart because flaws are not in CMR.	Notify system analyst.	LABELMS
COULD NOT RECOVER ECS AREA TABLE	New ECS system has an ECS parity error in AREA table; it is not possible to add an alternate ECS system.	Run LDCMR, F=0, PO=D. to delete extra ECS space.	LDCMR
COUPLER OR UNIT RESERVED ESTxx CHcc EQe UNuu	Occurs when a shared coupler or shared unit is reserved by another mainframe during an attempt to read or write. xx EST ordinal cc Channel number e Equipment number uu Unit number	Consult customer engineer for corrective procedures or enter one of specified options.	IRCP
OPTIONS REP - TRY AGAIN EST - DISPLAY EST			
COUPLER RESERVED-CHcc (GO/DROP)	Coupler is still reserved by another mainframe after three attempts to engage it on this mainframe. cc Channel number	Enter n.GO to retry, n.DROP to drop the job.	BCLOAD
CPxx CANT SEL 6681	Informative message. xx Card punch EST ordinal	Notify customer engineer if message reappears.	1IR
CPxx CHAN HUNG FULL	Informative message. xx Card punch EST ordinal	Enter /REWxx to recover file in process. Notify customer engineer.	1IR
CPxx CHANNEL STATUS ERROR	Informative message. xx Card punch EST ordinal	Enter /OKxx. If message persists, notify customer engineer.	1IR
CPxx COMPARE ERROR	Informative message. xx Card punch EST ordinal	No action now. Remove offset bad cards from completed deck.	1IR
CPxx NOT READY	Informative message. xx Card punch EST ordinal	Ready unit.	1IR
CPxx ON IDLED DOWN EQ	Punch file was lost on idled-down disk. xx Card punch EST ordinal	Note jobname to rerun and enter /OKxx to acknowledge.	1IR
CP PROGRAMS MAY NOT RESIDE IN THE PP LIBRARY	Informative message.	Correct problem and retry.	EDITLIB
CPxx REJECT	Informative message. xx Card punch EST ordinal	No action required.	1IR
jobname CPcp REQ ON IDLED EQ	A job with name jobname at control point cp issued a request for an idled device.	Note jobname and type ACK. to clear the message.	1SX
jobname CPcp REQ ON UNUSABLE EQ	Message sent to job/system dayfiles because an RMS I/O request was issued on an idled device. This message also is sent to job/system dayfiles if a change from dual to single access was caused by an RMS hardware malfunction and a request at control point could not be completed successfully in single-access mode.	Note jobname and type ACK. to clear the error message.	7ID
CP TIME LIMIT	Job exceeded CP time limit specified on job statement. Job terminated.	Correct problem and retry.	1EJ RPV
CPxx XMSN PARITY ERROR	Informative message. xx Card punch EST ordinal	No action required. Notify customer engineer if message persists.	1IR
CPUx P REGISTER PARITY ERROR	PPS detected parity error in CPUx. x CPU number (0 or 1)	Notify customer engineer.	1SC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CRxx CANT SEL 6681	Informative message. xx Card reader EST ordinal	Notify customer engineer if message reappears.	1IR
CRxx CG ERR - REREAD LAST CARD	Informative message. xx Card reader EST ordinal	Reload last card, ready unit, and enter /OKxx.	1IR
CRxx CHAN HUNG FULL	Informative message. xx Card reader EST ordinal	Reread deck on another card reader and notify customer engineer.	1IR
CRxx CHANNEL STATUS ERROR	Informative message. xx Card reader EST ordinal	Enter /OKxx. If message persists, notify customer engineer.	1IR
CRxx COMPARE ERROR	Informative message. xx Card reader EST ordinal	Reload last card and ready unit.	1IR
CRxx NOT READY	Informative message. xx Card reader EST ordinal	Ready unit.	1IR
CRxx ON IDLED DOWN EQ	Input file lost on idled-down disk. xx Card reader EST ordinal	Note jobname to rerun and enter /OKxx to acknowledge.	1IR
CRxx RE-READ 2 CARDS, TYPE GO	Informative message. xx Card reader EST ordinal	Reload last two cards and enter G0xx.	1IR
CRxx REJECT	Informative message. xx Card reader EST ordinal	No action required. If message persists, notify customer engineer.	1IR
CRxx 6681 XMSN PARITY ER	Informative message. xx Card reader EST ordinal	If message persists, notify customer engineer.	1IR
CROSSED RB LIMIT EXCEEDED	RECOVER found more than 99 crossed record blocks. Only the first 99 will be listed.	None.	RECOVER
CSUx ADDRESS PARITY ERROR	Parity error on address from CMC to CSUx. x CSU number (0 or 1)	Notify customer engineer.	1SC
CT ID=ownername PFN=pfn CT CY=cy SN=setname size WORDS	Informative accounting message issued when file is cataloged. ownername Owner name. pfn Permanent file name. cy Cycle number. size File size (decimal). setname Set name of device on which file resides.	No action required.	6PM
CTI COMMUNICATION ERROR NO (CPU/MEM/IOU) DEADSTART ABORTED	Configuration or hardware error. A scan of the ports did not find the indicated element identifier.	Have customer engineer check configuration.	CONTROL
CTLWARE CHcc-xxxx PNyyyyyyy (GO/DROP)	Informative message. cc Channel number. xxxx Identification code of controlware type. Id. Code Controller Type 401A 7152/7154 434A 7021/7152 710A 7054 721A 7155 yyyyyyyy Part number BCLoad loaded into CM.	Enter n.GO to load the controlware, n.DROP to drop the job.	BCLoad
CUMULATIVE STATUS FAILURE	Cumulative status not returned by 66x tape controller.	Notify system analyst and customer engineer.	3IC
CVL ABORT, EST ERROR ON SWAP-IN EST ORD = xx xx xx xx	The on-line diagnostic job lost the device(s) it has reserved for testing. This message was probably caused by a console entry that changed EST ordinal(s) xx while the job was swapped out.	Rerun job. If error persists, notify system analyst.	CVL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
CVL CALL ERROR	Fatal user error. A parameter block address was illegal or not all required parameters were specified on CVL call.	Check parameters for errors and correct. Supply any required parameters that are missing.	CVL
CVL CALL ERROR-NO TAPE ASSIGNED	The job cannot access a tape because the user has requested a tape that hasn't been previously assigned.	Check parameters for errors and correct. Ensure that job has requested the correct tape unit type.	CVL
CVL CALL ERROR--RETURNING WRONG DEVICE	The program attempted to return a device being used by another job.	Check parameters for errors and correct.	CVL
CVL CALL ERROR-TOO MANY DEVICES	The program attempted to request more than five devices via the CEVAL macro.	Revise program so that no more than five devices are requested at any time.	CVL
CY NO. ALREADY IN USE	Informative message.	Verify whether a duplicate permanent file has been created.	PFC
CY NO. LIMIT REACHED	Conditionally fatal user error (FDB return code=015B). Maximum value of cycle number is 999.	Recycle permanent file cycle numbers using RENAME.	1PD
CYCLE INC. OR DUMPED	Conditionally fatal user error (FDB return code=023B). Error code passed to 1PD by PFA, PFS. Permanent file information for file is incomplete; file not accessible.	Correct problem and retry.	1PD PFA
CYCLE INCOMPLETE OR DUMPED TYPE N.RERUN OR N.DROP	The permanent file to be used for a SCOPE 2 deadstart was an incomplete cycle or was archived to tape.	Drop the deadstart spun off task or rerun it using a different permanent filename, identifier, and cycle.	SOTDS
CYCLE NOT FOUND	System error; conditionally hung PP. Cell D.FNT+9 contains code and status returned by stack processor on PFD read. Issued only when IP.DBUG=1.	Notify system analyst.	1PC
CYCLES DISAGREE	System error; conditionally hung PP.	Notify system analyst.	1PC
CYCLES NOT EQUAL IN PFD/PFC - OUX	Fatal system software error.	Notify system analyst.	OUX
CY=cy1 TYPE N.CFO Y/HI OR NEW NO.	The deadstart spun-off task is displaying the cycle number of the permanent file which is to be used for SCOPE 2 deadstart. cy Cycle number	Type n.CFO Y to use cycle number cy1, n.CFO HI to use the highest cycle, or n.CFO cy2 to use cycle number cy2. n is the control point number of the deadstart spun-off task.	SOTDS
CY1 NOT CALLED BY SYSTEM OVERLAY	Fatal user error.	Do not attempt to use PP routine.	CY1
DAM ALLOCATION BAD	Informative message; device allocation map is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
DAM BIT TABLE BAD	Informative message. The integrity of the device allocation map for a private set is questionable.	Notify system analyst or owner of private set.	RECOVER
DAM BIT TABLE BAD GO OR DROP	Informative message. The integrity of the device allocation map for a public set is questionable.	Depending on site procedures, either resume deadstart process with GO or drop the job. Notify system analyst.	RECOVER
DAM ORDINAL INVALID AT RBT LOC addr TYPE GO TO CONTINUE	Informative message.	Type GO to end validation of this word pair chain.	IRCP
DAM RB CHAIN BAD	Fatal abort. First RB of chain does not match RB number on which it is recorded.	Notify system analyst.	RECOVER
DAM RB COUNT BAD	Fatal abort. Length of chain is different from expected length.	Notify system analyst.	RECOVER

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DAM - RBR MISMATCH ON DEVxx device CHcc Ee UNuu VSN vsn OF SN setname RBR ORD rbr RB rb RECOVERY NOT POSSIBLE EXECUTE-RECOVER-ON ANOTHER MAINFRAME AND THEN DEADSTART A LVL 0 OR LVL 1 SYSTEM	A disk table (device allocation map) and a central memory resident table (record block reservation table) disagree on allocation of specified device, xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Follow instructions given in message.	IRCP
DAM SIZE BAD GO OR DS	System software error. Device set is not recoverable.	Notify system analyst. Type GO to resume deadstart process. Otherwise redeadstart.	RECOVER
DATA EXCEEDS MLRS	User error. Data in buffer exceeds maximum logical record size specified in file environment table for S or L tapes. 6WM returns error code if EP bit is set. Fatal or return if EP bit is set.	Correct problem and retry.	6WM
DATE ERROR	Fatal user error.	Check date parameter in control statement.	LOADPF DUMPF
DATE ERROR IN CONVERSION, WORD ZEROED	Informative message.	No action required.	LOADPF
DATE-TIME STAMPS DO NOT MATCH	Running system has a date-time stamp different than LDCMR input file date-time stamp. Input file was preprocessed by LDCMR, but too much time has elapsed before it was used.	Reassemble entire segmented CMR.	LDCMR
DAYFILE ARGUMENT ERROR	An unknown keyword was encountered, or the command was incorrectly formatted	Correct problem and retry.	DAYFILE
DAYFILE ATTACH FAILED, NEW CYCLE CATALOGED	Informative message.	No action required.	TDS
DAYFILE DUMPED	Dayfile buffer flushed at this point and dump begun.	No action required.	1DF
DAYFILE IDLED,ACK. TO PURGE	Operator message. Device on which system dayfile resides is idled; if message is acknowledged, dayfile will be purged.	Enter ACK. to allow dayfile to be purged.	TDS
DAYFILE LOST-RMS ERROR	Control point dayfile lost on idled-down device.	Notify system analyst.	1EJ
DAYFILE NOT ALLOWED FOR INTERCOM	DAYFILE cannot be used at an INTERCOM 4 terminal.	Do not use DAYFILE from an INTERCOM 4 terminal.	DAYFILE
DAYFILE NOT AVAILABLE FOR INTERCOM 4	The user dayfile is not accessible under INTERCOM 4.	Change program to not call CDF to access user dayfile when called from an INTERCOM 4 terminal.	CDF
DBLE COLON. RC.recno,CD.cardno	Informative message to user. Word ends in zero byte which is not the terminator but may have been intended as double colons. This was detected on card number cardno in record number recno.	No action required.	1IR
DDAM EOI READ dt CHcc UNuu DEADSTART ABORTED	A level 0 deadstart from an RMS device is not possible. dt Device type (844 or 885) cc Channel number uu Unit number	Deadstart from tape.	CONTROL
DDP ERROR - DDP SET OFF, CHcc	DDP error has occurred. DDP on channel cc is now unavailable for system use. cc Channel number	Notify customer engineer. Type ACK. to acknowledge message.	CEM
DDP ON CHANNEL cc IS TURNED OFF	An unrecovered read/write error was encountered or a channel error occurred. The DDP is now unavailable for system use. cc Channel number	Notify customer engineer.	CEM
DDT CLOBBERED RECOVERY ABORTED	Tables cannot be recovered.	Perform a level 0 or 1 deadstart.	IRCP
DDT CPARE ERROR	Fatal system software error.	Notify system analyst.	ADS
DDT ENTRY NOT FOUND - OUX	Fatal system software error.	Notify system analyst.	OUX
DDT NOT FOUND	System error; conditionally hung PP.	Notify system analyst.	1PC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DEADSTART ABORTED LOST DATA PARITY ERROR D.E.C. dec ATS CHcc UNuu or MTS	Any or all of the three middle lines may be present. LOST DATA and PARITY ERROR messages probably indicate tape problems. LOST DATA on a 679-7 unit operating at 6250 cpi density may be result of either a non-CYBER 170 channel or a CYBER 170 running at one times PPU speed. ATS Advanced tape subsystem. MTS Magnetic tape subsystem. Either ATS or MTS will appear in the message. dec Detailed error code cc Channel number uu Unit number	If possible, deadstart with a different tape or tape unit. For LOST DATA on a 679-7 unit operating at 6250 cpi density, deadstart on a tape unit other than a 679-7. If problem persists, notify customer engineer.	CONTROL
DEADSTART ABORTED BC FUNCTION REJECT MTS CHcc UNuu	Message occurs when deadstart tape is mounted on a 66x tape unit; signifies MTS buffer controller is not responding to functions. cc Channel number uu Unit number	Notify customer engineer.	CONTROL
DEADSTART ABORTED FORMAT FUNCTION REJECT MTS CHcc UNuu	Message occurs when deadstart tape is mounted on a 66x tape unit; signifies MTS buffer controller is not responding to functions. cc Channel number uu Unit number	Notify customer engineer.	CONTROL
DEADSTART ABORTED FUNCTION REJECT MTS CHcc UNuu or ATS	Function was rejected by buffer controller. cc Channel number uu Unit number	Redeadstart with different tape or unit.	MDR
DEADSTART ABORTED RECORD FRAGMENT FRAME COUNT = count MTS CHcc UNuu or ATS	Deadstart tape has record fragment. count Frame count cc Channel number uu Unit number	Redeadstart with different tape or unit.	MDR
DEADSTART ABORTED STATUS FUNCTION REJECT MTS CHcc UNuu	Message occurs when deadstart tape is mounted on a 66x tape unit; signifies general or detailed status function rejected by 66x buffer controller. cc Channel number uu Unit number	Notify customer engineer.	CONTROL
DEADSTART ABORTED UNIT DISCONNECTED MTS CHcc UNuu or ATS	Deadstart tape unit disconnected. cc Channel number uu Unit number	Redeadstart with different tape or unit.	MDR
DEADSTART ABORTED UNIT NOT READY MTS CHcc UNuu or ATS	Deadstart tape unit dropped ready status. Tape position lost. cc Channel number uu Unit number	Redeadstart with different tape or unit.	MDR
DECIMAL FIELD CONTAINS A NAME	Informative message.	Correct problem and retry.	EDITLIB
DEFERRED *OUTPUT* - MAXIMUM REP=30D SET	Repeat count for a deferred *OUTPUT* file must be 30D or less.	No action required.	DSP
DELIMITER ERROR OR WORD THRU MISSING	Informative message.	Correct problem and retry.	EDITLIB
DELIMITER FOLLOWS A DELIMITER OR RECORD OR FILE COUNT IS MISSING	Informative message.	Correct problem and retry.	EDITLIB
(x) DELIMITER IS MISSING	Character in parentheses is a delimiter that must be present.	Insert delimiter and retry.	EDITLIB
DELIMITER MISSING AFTER LITERAL FIELD	A literal must be preceded and followed by a dollar sign (\$).	Insert dollar sign following literal and retry.	EDITLIB
DELSET COMPLETE	Informative message.	No action required.	PFCCP
DESTINATION FILE NAME MISSING	Informative message.	Correct problem and retry.	EDITLIB
DEVxx CANT ALLOCATE TABLES	Label processing error message. There is not enough free disk space for disk-resident tables. xx EST ordinal	Delete device. Mount correct device on drive.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DEVxx device CHcc Eqe UNuu PFT LOST OR INVALID UTILITY FLAW MAP WILL BE USED TYPE GO CONTINUE	The physical flaw table (PFT) cannot be found or it contained an error. The system reads the utility flaw map and replaces the PFT. Some flaws may be lost. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number	Type GO to continue.	IRCP
DEV CONFIGURATION INCOMPATIBLE	This pack was created on an operating system prior to NOS/BE version 1.1 and has a record block size that is illegal. For RB sizes less than 57, the following RB sizes are legal: 2, 4, 7, 8, 14, 28, and 56. For RB sizes greater than 55, the following RB sizes are illegal: 2n * 56 .LT. rbsize .LE. (2n + 1) * 56 where n is an integer.	Initialize pack and reload files.	IRCP
DEVxx-NO VSN	Operator error. xx EST ordinal	Enter VSN for device xx.	IRCP
DEVICE BUSY	Fatal operator error on RMNT.	Retry RMNT and notify system analyst.	DSM
DEVICE CAPACITY EXCEEDED	Informative message.	Correct problem and retry.	1PK
DEVICE CONFIGURATION INCOMPATIBILITY - RELABEL	Unable to build RBR header. Starting device address (SDA) stored in DAM header was not 2*SDA for an 844 device. Job aborted.	Run RECOVER before attempting another RELABEL.	RELABEL
DEVICE CONFIGURATION INCOMPATIBLE NOTIFY SYSTEMS ANALYST	Fatal error. Member for which mount was issued cannot be mounted at this or later system levels.	Delete member and recreate.	MNT
DEVICE FULL	Informative message. Informs user that file assigned to device has been reassigned to another device for lack of available space.	No action required.	1PK
DEVICE FULL/FILE MAY NOT OVERFLOW	There is not sufficient space on the device to contain the file.	Notify system analyst.	CEM 6WM
DEVICE IN USE ON ANOTHER MF-GO TO RECHECK OR DROP	Request for operator action during DMNT.	Type GO to recheck or type DROP to drop job.	DSM
DEVICE IS NOT A MUX	An attempt is made to call the INTERCOM driver for an EST ordinal that is not a multiplexer entry.	Be sure proper EST ordinal is specified or proper terminal definition file is used.	1I1
DEVICE IS NOT ON	Informative message.	Turn on device.	1I1
DEVICE LABEL INCOMPATIBLE	Fatal system software error.	Notify system analyst.	MNT
DEVICE LOGICALLY MOUNTED GO OR DROP	User or operator error.	Type GO when device set is no longer mounted. Typing DROP causes a total user error. RECOVER executes on an unmounted private device set.	RECOVER
DEVICE LOST DATA RBR RB PRU DVST CVST ADR-REG rbr rb pru iiii jjjj ccccttss	An error occurred while reading system from tape or writing onto system devices. rbr RBR ordinal rb Record block number pru PRU number iiii General device status jjjj Converter status cccc Cylinder number tt Track number ss Sector number	Redeadstart and enter indicated flaw by using the label modification option.	IRCP
DEVICE MOUNTED	Fatal user error; RECOVER executes on an unmounted permanent file set. Device set must not be mounted when RECOVER is issued.	Correct problem and retry.	RECOVER
DEVICE MOUNTED ON ANOTHER MAINFRAME	Job aborted.	Retry.	RELABEL
DEVICE NOT A MASTER	Fatal user error.	Issue member MOUNT requests after a master MOUNT.	MNT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DEVICE NOT A MEMBER OF SET	Fatal error. No SMT entry for this VSN in this set.	Try mounting correct member or find correct set.	MNT
DEVICE NOT AVAILABLE	Fatal operator error. Mount under DIS (system job) could not find device on-line and could not swap out job.	Place device on-line.	MNT
DEVICE NOT FOUND IN DDT SEARCH-DSM	Informative message.	Notify system analyst.	DSM
DEVICE NOT IN SET	Job aborted. User or hardware problems in reading SMT.	Notify system analyst.	RELABEL
DEVICE NOT LABELLED	Fatal system error. DDT indicates this is valid member, but mount cannot read a valid label.	Notify system analyst to run recover (debug mode).	MNT
DEVICE NOT MASTER	Fatal system error.	Notify system analyst.	DSM
DEVICE NOT MOUNTED-DSM	Fatal system error.	Notify system analyst.	DSM
DEVICE NOT ON LINE	Fatal system error.	Notify system analyst.	MNT RECOVER
DEVICE NOT ON LINE GO OR DROP	User or operator error.	Type GO after master device of device set is on-line. If master device is not on-line, type DROP. This causes a fatal user error.	RECOVER
DEVICE REJECT RBR RB PRU DVST CVST ADR-REG rbr rb pru iiii jjjj ccccttss	Unit specified cannot be accessed. The unit lockout switch in the controller may be off. Or, a pack may either be not mounted or not spinning. rbr RBR ordinal rb Record block number pru PRU number iiii General device status jjjj Converter status cccc Cylinder number. tt Track number ss Sector number	Check to make sure unit is on. Otherwise, switch to different unit.	IRCP
DEVICE REJECT ON READING table DEVxx device CHcc Ee UNuu OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING REP - TRY AGAIN(ASSUMED) RBR RB PRU DVST CVST ADR-REG rbr rb pru iiii jjjj kkkkkk	Unit specified cannot be accessed. The unit lockout switch in the controller may be off. Or, a pack may either be not mounted or not spinning. table One of the following tables: DAM LFT PFC PFD SMT xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number rbr RBR ordinal rb Record block number pru PRU number iiii General device status jjjj Converter status kkkkk Hardware address	If problem with unit can be corrected, enter REP. To specify another unit, enter EST.	IRCP
DEVICE REJECT ON READING LABEL DEVxx device CHcc Ee UNuu RECOVERY NOT POSSIBLE	Unit specified cannot be accessed. The unit lockout switch in the controller may be off. Or, a pack may either be not mounted or not spinning. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number	Redeadstart.	IRCP
DEVICE REJECT ON READING LABEL DEVxx device CHcc Ee UNuu TYPE GO TO RETRY	Unit specified is not physically present. The unit lockout switch in the controller may be off. Or, a pack may not be mounted or not spinning. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number	Check unit and enter GO to retry, or reeadstart.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DEVICE REJECT ON READING LABEL DEVxx device CHcc E@eq UNuu OPTIONS EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING REP - TRY AGAIN(ASSUMED) IDLE- IDLE DOWN THE DEVICE RBR RB PRU DVST CVST ADR-REG rbr rb pru iiii jjjj kkkkkk	Unit specified is not physically present. The unit lockout switch may be off. Or, a pack may either be not mounted or not spinning. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number rbr RBR ordinal rb Record block number pru PRU number iiii General device status jjjj Converter status kkkkkk Hardware address	If problem with unit can be corrected, enter REP. To specify another unit, enter EST. To continue without this unit, enter IDLE.	IRCP
DFLIST IGNORED FROM NOT-INTERACTIVE JOB	Informative message. THE DFLIST command is valid only when running at an INTERCOM terminal.	Remove DFLIST command from control card stream to get rid of the message.	INSUTIL
DFT REJECT - NO ERROR LOGGING.	The DFT module could not use the version of Error Processing Interface Block being used by NOS/BE. System operation can continue, but without error processing.	Use compatible levels of NOS/BE and CIP to allow error logging.	1MR
DIAG SEQ ALREADY ON	Informative message.	No action required.	APR
DIAG SEQ HAS NO SUCH JOB	Operator message. Job named in SEQ, RUN,nn is not under sequencer control. nn Sequencer table ordinal	Either check nn parameter for errors and correct or see if job nn has been dropped.	APR
DIAG SEQ JOBnn CONTAINS...	Response to SEQ,LIST,nn. nn Sequencer table ordinal	No action required.	APR
DIAG SEQ ON	Acknowledges SEQ,ON.	No action required.	APR
DIAL UNIT uu HIT CR	MTS unit uu was not dialed.	Dial specified unit and press carriage return.	CONTROL
DIFFERENT DUMP TYPE OR MODE RUNNING	When multiple copies of DUMPF are executing, they must be of same type and mode. The dump type and mode requested will not run until the other dump(s) is finished.	Retry.	DUMPF
DIRECTIVE CARD IMAGE EXCEEDS 190 CHARACTERS	Directive too long.	Correct problem and retry.	EDITLIB
DIRECTIVE ERROR	Fatal user error.	Check format of DUMPF or LOADPF input directives.	DUMP LOADPF
string DIRECTIVE NAME - string UNKNOWN	Informative message. string Invalid directive	Correct problem and retry.	EDITLIB
DIRECTIVE TRUNCATED	An input directive exceeds 80 characters. The system truncates the directive to 80 characters.	If the job aborted, ensure that input directives do not exceed 80 characters and rerun the job. If the job did not abort and significant data was lost, shorten the record.	BINEDIT
DISCARD NOT ALLOWED FROM A BATCH JOB	The DISCARD command can be entered from INTERCOM only.	Use PURGE control statement in place of DISCARD and rerun job.	DISCARD
DISK COPY OF PNT IS INVALID-SUBMIT FL DUMP WITH PSR.	Fatal error.	Submit dump to system analyst.	EDITLIB
DISK PARITY	Bad hardware.	Notify customer engineer.	QUEDUMP
DISK PARITY ERROR	Nonfatal hardware error.	Notify system analyst to determine if some permanent files should be reloaded.	DUMPF
DISK PARITY ERROR IN LOADING FILE TYPE N.CFO RETRY/SKIP/TERMINATE	Nonfatal hardware error.	Type n.CFO RETRY to continue loading file with parity error. Type n.CFO SKIP to skip loading the file. Type n.CFO TERMINATE to terminate LOADPF.	LOADPF
DISMOUNT COMPLETE	Informative message.	No action required.	SETCCP
DISP CODE GT 2 CHARS	Disposition code for DISPOSE must be 2 characters.	Correct problem and retry.	DISPOSE
DISP ID GT 2 CHARS	Identifier on a DISPOSE statement must be 1 or 2 characters. DISPOSE statement ignored.	Correct problem and retry.	DISPOSE

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DLL COMPLETED BCLOAD	This message is displayed if the controlware has been downloaded without errors. Informative.	No action required.	BCLOAD
DLL ERROR yyyy	<p>yyyy is the code number of an error detected during the execution of DLL. All error output pointers within the error report written to file OUTPUT refer to actual peripheral processor unit addresses within DLL. DLL will leave the I/O channel(s) inactive after most errors. Any channel remaining active after DLL has reported an error is due to the channel's failing to respond properly to a DCN instruction.</p> <p>yyyy Description</p> <p>1 BC command START MEMORY LOAD failure. The buffer controller I/O channel remained active for more than 80 milliseconds after DLL issued a start memory load (414B) command to the buffer controller. No additional operations were performed on the buffer controller after this anomaly was detected.</p> <p>2 BC command OPERATION COMPLETE failure. The buffer controller I/O channel remained active for more than 80 milliseconds after DLL issued an OPERATION COMPLETE (10B) command to the buffer controller. No additional operations were performed on the buffer controller after this anomaly was detected.</p> <p>3 BC command GENERAL STATUS failure. The address of channel instruction failure (T71) error output pointer indicates one of the following errors by displaying the address of the code that issued the function that was not answered:</p> <ul style="list-style-type: none"> - The buffer controller I/O channel remained active for more than 80 milliseconds after DLL issued a general status command to the buffer controller. - The buffer controller failed to transmit one word of general status to DLL in response to an IAM instruction, but the I/O channel went inactive. - The buffer controller I/O channel remained active for more than 80 milliseconds after DLL received one word of general status from the buffer controller. - No additional operations were performed on the buffer controller after this anomaly was detected. <p>4 DLL to BC output operation failed. Expiration of the deadman timer may have resulted in premature termination of the OAM instruction that was transferring controlware to the buffer controller. The BC lost data (RACTBC) error output pointer contains the number of peripheral processor unit words remaining to be transferred at the time of deadman termination. The channel used for the output operation is inactive.</p> <p>5 MTS Conversion Table Load failure. The 1LC error (MTSERR) error output pointer contains the error code returned by 1LC.</p> <p>17 Input parameter cards are in error.</p> <p>20 Checksum error. Controlware found an incorrect answer while</p>	Consult customer engineer for all codes except 17 and 75. For code 17, refer to the parameter descriptions for BCPROC. For code 75, rerun using proper controlware binary. If error persists, consult customer engineer.	BCLOAD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	75 trying to checksum itself immediately after autoload. General status responded with the indication that the wrong controlware has been loaded.		
DLL ILLEGAL USER ACCESS	This message appears if the system was not in engineering mode or DLL was called by a user program.	The user must call BCPROC after the operator puts the system in engineering mode.	DLL
DMD ABORTED	DMD found control point error flag set. DMD terminates leaving any output as generated.	Notify system analyst.	DMD
DMD ARGUMENT ERROR	Beginning parameter exceeds ending parameter. No dump will result.	Correct problem and retry.	DMD
DMD - CANNOT DUMP TO PERMANENT OUTPUT FILE	DMD found an attached permanent file with the filename OUTPUT. No dump will result.	Return permanent file named OUTPUT, and retry.	DMD
DMD - FL=ZERO	DMD found control point FL=zero.	Notify system analyst.	DMD
DMD - INCORRECT PERMISSIONS FOR OUTPUT FILE	User does not have modify and/or extend permissions for filename OUTPUT. No dump will result.	Correct problem and retry.	DMD
DMD - PARAMETER WORD OUTSIDE FL	Parameter word address is outside job field length. No dump will result unless job FL is changed while DMD is operating and error is detected while DMD is attempting to set complete bit.	Correct problem and retry.	DMD
DMP ABORTED	DMP found control point error flag set. DMP terminates leaving any output as generated.	Notify system analyst.	DMP
DMP - CANNOT DUMP TO PERMANENT OUTPUT FILE	DMP found an attached permanent file with the filename OUTPUT. No dump will result.	Return permanent file named OUTPUT and retry.	DMP
DMP - DO NOT HAVE CORRECT PERMISSIONS FOR OUTPUT FILE	User does not have modify and/or extend permissions for filename OUTPUT. No dump will result.	Correct problem and retry.	DMP
DMP-FL=ZERO	DMP found control point FL=zero.	Notify system analyst.	DMP
DMP-FWA EXCEEDS FL	Beginning parameter is not within job field length. No dump will result.	Correct problem and retry.	DMP
DMP-FWA EXCEEDS LWA	Beginning parameter exceeds ending parameter. No dump will result.	Correct problem and retry.	DMP
DMP-FWA EXCEEDS 377777B	The beginning parameter exceeds 377777B. No dump will be taken.	Correct problem and retry.	DMP
DMP-LWA EXCEEDS FL-FL SUBSTITUTED	Ending parameter (last-word parameter) is greater than job field length. Field length is substituted and dump is made.	No action required.	DMP
DMP-LWA EXCEEDS 377777B	The ending parameter exceeds 377777B. No dump will be taken.	Correct problem and retry.	DMP
DMP-PARAM WD ADDRESS OUTSIDE FL	Parameter word address is outside job field length. No dump will result unless job FL is changed while DMP is operating and error is detected while DMP is attempting to set complete bit.	Correct problem and retry.	DMP
DMPF - SIMULATE EOT DUE TO TAPE PARITY ERROR	Nonfatal hardware error.	Mount another tape so dump can continue.	DMPF
DMPNAD ABORTED - BAD CHARACTER IN NUMERIC FIELD.	DMPNAD expects a numeric value to follow the equivalence sign for the AC, CH, LT, and ND parameters.	Correct command and retry.	DMPNAD
DMPNAD ABORTED - CVL ERROR CODE = nnB.	CVL did not allow the calling program to access the specified NAD. nnB is the CVL response code explaining why access was not granted.	Wait a few seconds and retry. If the same error occurs, notify system analyst.	DMPNAD
DMPNAD ABORTED - EQUIVALENCE MISSING.	The AC, CH, LT, and ND parameters must be followed by an equivalence character.	Correct command and retry.	DMPNAD
DMPNAD ABORTED - FILE NAME CONFLICT.	The B, I, and L parameters must have unique file names when used at the same time.	Correct command and retry.	DMPNAD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DMPNAD ABORTED - ILLEGAL CHANNEL NUMBER.	Channel number must be 0 to 13B inclusive or 20B to 33B inclusive.	Correct channel number and retry.	DMPNAD
DMPNAD ABORTED - ILLEGAL DIRECTIVE NAME.	Only AC, B, CH, I, L, LT, and ND are valid parameters for DMPNAD.	Correct command and retry.	DMPNAD
DMPNAD ABORTED - INVALID ACCESS CODE.	Command contained an AC=aaaa, where aaaa is not a valid hexadecimal number.	Correct access code and retry.	DMPNAD
DMPNAD ABORTED - INVALID NAD ADDRESS.	Command contained an ND=nn, where nn is not a valid hexadecimal number.	Correct NAD address and retry.	DMPNAD
DMPNAD ABORTED - INVALID TRUNK ENABLES.	Command contained an LT=tttt, where tttt is not a valid binary number.	Correct command and retry.	DMPNAD
DMPNAD ABORTED - MORE THAN 7 CHARACTERS IN NAME.	DMPNAD command parameters must not exceed seven characters.	Correct command and retry.	DMPNAD
DMPNAD ABORTED - NLD ERROR CODE = nnB.	NLD was unable to dump the specified NAD. nnB is the NLD response code explaining why the NAD was not dumped.	Make sure the command is correct.	DMPNAD
DMPNAD ABORTED - 8/9 NOT ALLOWED IN OCTAL FIELD.	Self-explanatory.	Correct command and retry.	DMPNAD
DMPNAD COMPLETE.	Informative message indicating that DMPNAD was successful in dumping the requested NAD.	None.	DMPNAD
DMPNAD DUMPING REMOTE NAD xx - GO/DROP.	Informative message indicating that NAD is about to be dumped.	If correct NAD, type N.GO to dump the NAD. If incorrect NAD, type N.DROP, correct command and retry.	DMPNAD
DMPQ/RESQ NOT CONTROL CARD CALLABLE	Fatal user error.	DMPQ/RESQ should be called from console.	XDQ
DO NOT USE CFO COMMAND TYPE N.RERUN OR N.DROP	The deadstart spun off task received a CFO command after it had encountered an error that required a DROP or RERUN.	Drop the deadstart spun off task or rerun it using a different permanent filename, ID, and cycle.	SOTDS
DRIVER ALREADY ACTIVE ON CHANNEL cc	When there is more than one 2550 on a channel, all such 2550s must be brought up simultaneously. cc Channel number	Turn off the active NPU(s) with the OFFxx command. When the ordinal(s) xx is no longer displayed on the INTERCOM status line at the bottom of the right screen, turn the NPU(s) on again with the ONxx command. Then enter the INTERCOM,xx. command.	111
DRIVER ALREADY ACTIVE ON CHANNEL cc	When there is more than one 2550 on a channel, all such 2550s must be brought up simultaneously. cc Channel number	Turn off the active NPU(s) with the OFFxx command. When the ordinal(s) xx is no longer displayed on the INTERCOM status line at the bottom of the right screen, turn the NPU(s) on again with the ONxx command. Then enter the INTERCOM,xx. command.	111
DROP	Dayfile message issued if operator responded DROP to a EDITLIB GO/DROP message.	No action required.	EDITLIB
DROP DIS, IF UP/N.UNLOCK	Operator error.	Make job swappable by unlocking it.	1PG SPF ZST
DROP FORCED BY DEADSTART RECOVERY	User job which could not be rerun was at a control point during deadstart recovery; job was dropped.	Retry job.	TDS
DROP INTERCOM/RMF THEN TYPE n.GO.	INTERCOM and/or RMF are incompatible with LDCMR because LDC is trying to move a library directory.	Either drop job or drop INTERCOM and/or RMF.	LDC
DS DRIVERS OVERFLOWED CM BUFFER. DEADSTART ABORTED	The current deadstart tape is unusable. The value of DRIVBFL in DSLCOM is too small.	Increase the value of DRIVBFL.	IRCP
DS SPECIFIED IN NON-POST-DEADSTART MODE	Fatal user error. DS parameter was specified in MNT call which is only valid in postdeadstart mode.	Correct problem and retry.	MNT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DSD WAS TRANSFERRED BEFORE INTERVAL OR COUNT SATISFIED	DSD is the last deadstart record. Some records may have been omitted.	Correct EDITLIB directives and retry.	EDITLIB
DSDUMP--ANALYZING CRASH FILE	Informative message indicating that the dump tape contents have been transferred to the crash file and are being analyzed, or the contents a previously formatted crash file are being analyzed.	No action required.	DSDUMP
DSDUMP--ERROR(S) IN DIRECTIVES	There is an error in one or more directives.	Correct the faulty directive(s) and retry.	DSDUMP
DSDUMP--INVALID TAPE	DSDUMP T parameter is assigned to an empty tape or a nonexistent file.	Correct and retry.	DSDUMP
DSDUMP--LOWCORE WAS OVERWRITTEN	A dump of the system was written in lowcore. Certain default values are substituted for those found in lowcore.	No action required. Refer to the NOS/BE System Programmer's Reference Manual for a list of default values.	DSDUMP
DSDUMP--NORMAL TERMINATION	Informative message.	No action required.	DSDUMP
DSDUMP--SCR INDICATES HARDWARE ERROR.	Status and Control Register in the dump indicates a hardware error.	Notify customer engineer.	DSDUMP
DSM ALLOCATION BAD	Informative message; deadstart recovery record block number is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
DSMOUNT OF PUBLIC DEVICE IS ILLEGAL	Fatal user error. User attempted to DSMOUNT a public device set.	Remove incorrect DSMOUNT control statement and run job again.	DSM
DSP ABORTED BY SYSTEM	System error.	Notify system analyst.	DSP
DSP COMPLETE BIT ALREADY SET	User specified a bad parameter block with ROUTE macro. Job is aborted.	Correct problem and retry.	DSP
DSP ERROR CODE ec (GENLDPF)	DSP has returned error code ec. The error codes are described in section 7 of the Reference Manual.	Correct problem and retry.	GENLDPF
DSP ERROR CODE ec, SKIPPED lfn	DSP has returned error code ec. The error codes are described in section 7 of the Reference Manual. lfn Name of skipped file	Correct problem and retry.	QUEDUMP
DSP ERROR CODE ec (TLOAD)	DSP has returned error code ec. The error codes are described in section 7 of the Reference Manual.	Correct problem and retry.	TLOAD
DSP ERROR - I/O ERROR PROCESSING RHF ROUTING TEXT.	DSP has detected an I/O error. Routing text is lost.	Notify system analyst. Rerun job.	DSP
DSP ERROR - LOGFILE FULL.	No free logfile entries exist.	Resubmit job. If problem persists, notify system analyst.	DSP
DSP ERROR - ROUTING TEXT OUTSIDE FIELD LENGTH	The routing text block pointed to by the DSP parameter block is outside the user's field length. Routing text is ignored.	Correct problem and retry.	DSP
DSP ERROR - USER JOB MAY NOT SPECIFY IMPLICIT ROUTING TEXT.	Only system origin jobs may specify implicit routing text. Routing text is ignored.	Correct problem and retry.	DSP
DSP PARAMETER OUTSIDE FL	Parameter block specified by ROUTE macro is outside user's field length.	Correct problem and retry.	DSP
DST dd CONTROLWARE CONFLICT	Operator message. Controlware currently running in controller with DST ordinal dd does not match controlware specified for that controller. Either controller types (7054, 7154, or 7155) do not match, or revision levels of controlware differ.	Type EST to return to EST display and check for errors in revision levels or controller types. Controlware to be loaded is not loaded into controller when a PAS response is given. This response should be given when controlware levels differ or are incompatible. A GO response should be given when controlware levels are compatible.	IRCP
OPTIONS- PAS - BYPASS AUTOLOAD OF BC GO - LOAD CONTROLWARE EST - DISPLAY EST			

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DST dd CONTROLWARE OMITTED OPTIONS- PAS - BYPASS AUTOLOAD OF BC RMS - RETURN TO RMS DISPLAY	Operator message. Controlware specified for autoloading into RMS controller assigned to DST ordinal dd is not present on deadstart tape.	Operator should respond by typing PAS if no controlware is to be loaded. Type RMS to return to RMS display and check for errors.	IRCP
DST dd CONTROLWARE TYPE ERROR OPTIONS- PAS - BYPASS AUTOLOAD OF BC RMS - RETURN TO RMS DISPLAY	Operator message. Controlware specified for autoloading into controller assigned to DST ordinal dd is wrong type for that controller. The controlware should match as follows: Controller Controlware 7054 *OSY* binary 7152 *OSY* binary or *OSZ* binary 7154 *OSZ* binary 7155 *OSJ* binary	Operator should respond by typing RMS to return to RMS display and check for errors. PAS should be typed if controlware is correctly specified. Controlware is not loaded.	IRCP
DTdt NOT READY TYPE GOxx TO IGNORE	MT not ready at E0J to honor SAVE parameter. dt Device type xx Est ordinal	Type GO to ignore not ready state.	1EJ
DUMP COMPLETE	Informative message.	No action required.	DUMPF
DUMP FORMAT ERROR OR EMPTY FILE	Dynamic dump file not formatted properly or empty.	No action possible.	LISTCID
DUMP KILLS NPU TERMINALS. N.GO DUMPS NPU ELSE TYPE N.DROP	Informative message.	Type n.GO to stop NPU terminal activity and to dump 2550 front end NPU. The NPU services terminals again only if it is autoloaded by typing INTERCOM,xx where xx=NPU EST ordinal. Type n.DROP to prevent interruption of terminal service.	LCD
DUMPF ABORT - INVALID VSN*	Conditionally fatal user error.	Supply a correct VSN for DUMPF utility.	DUMPF
DUMPF ABORTED - SYSTEM I/O ERROR	Fatal system error.	Notify system analyst.	DUMPF
DUMPING pfn	Informative message. pfn Permanent file name	No action required.	DUMPF
DUMPLCC DROPPED BY OPERATOR	Informative message.	No action required.	DUMPLCC
DUMPLCC NOT CONTROL CARD CALLABLE	Informative message.	No action required.	DUMPLCC
DUMPNPU DROPPED BY OPERATOR	Informative message.	No action required.	LCD
DUMPNPU NOT CONTROL CARD CALLABLE	Informative message.	If DUMPNPU is required, issue call from console.	LCD
DUMTAPE IS NOT STRANGER FORMAT-JOB ABORTED	Fatal user error.	Fix DUMTAPE REQUEST statement by inserting S parameter (stranger tape) and resubmit job.	LOADPF DUMPF
DUPLICATE DEVICE ON-LINE, VSN=vsN TYPE GO WHEN JUST 1 AVAIL. SN=setname	Informative message. vsN Volume serial number setname Set name	Determine which device is to be used and OFF or DMNT other device with same SN/VSN. Type n.GO.	MNT
DUPLICATE ENTRY POINT NAME - ep	Fatal user error. Entry point ep has occurred in a previous segment or is defined in T.ENTRY table.	Change duplicate segment entry point to a different entry point. If problem is in T.ENTRY table, change entry there.	LDCMR
DUPLICATE EQUIPMENT NUMBERS	INTERCOM problem.	Notify system analyst.	111
DUPLICATE FILE NAME	REQUEST statement asks for new file name, but it is already at a control point.	Specify a file name that is not local to job.	REQUEST
DUPLICATE FILE NAME-lfn	A file used by job being RESTARTED is already in use. Job is aborted. lfn File name	UNLOAD file before calling RESTART.	RESTART
DUPLICATE KEYWORD	Informative message.	Correct problem and retry.	PFCCP
DUPLICATE LF PARAMETER	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
DUPLICATE LFN	Fatal user error. File name already exists.	Correct problem and retry.	NSV

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
DUPLICATE LFN lfn	The file lfn is already in use. lfn Name of file	Wait for the specified file to become available or specify another file and retry.	BINEDIT
DUPLICATE LFN-OUX	Fatal system software error.	Notify system analyst and retry.	OUX
DUPLICATE LOCAL SN	System attempted to create a master when set already was mounted at control point, or at control point zero.	DSMOUNT the other set before attempting the ADDSET again.	ADS
DUPLICATE MASTERS FOR SN setname ENTER EITHER EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING OR ONE OF THE FOLLOWING VSN-S TO SELECT THE CORRECT MASTER vsn1 vsn2	Packs mounted are not compatible with configuration or operator made a mistake in reconfiguring RMS devices. setname Set name vsn Volume serial number	Correct problem and retry, or notify system analyst.	IRCP
DUPLICATE PARAMETER xxxx	The BINEDIT control statement has a duplicate parameter. xxxx Parameter in error	Discard one occurrence of the duplicate parameter and retry.	BINEDIT
DUPLICATE PARAMETERS	Refers to FLAW and FREE type-ins and to assembled CMR flaws.	Enter one of the options listed on the left screen.	IRCP
DUPLICATE PROGRAM IN CMRDIR - prog	Informative message. User has entered program prog more than once in CMRDIR. Last entry is used.	If a duplicate entry other than last entry is preferred, retain preferred entry and remove all other duplicate entries.	LDCMR
DUPLICATE PROGRAM IN INPUT - prog	Informative message. Program prog occurs in input more than once. LDCMR uses last occurrence.	If last entry is not entry desired, remove it.	LDCMR
DUPLICATE PW PARAMETER	Fatal user error.	Remove one PW parameter and retry.	GENLDPF PFLOG
DUPLICATE RMS DEVICE VSN vsn OF SN setname ENTER EITHER EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING OR ONE OF THE FOLLOWING EST ORDINALS TO SELECT PROPER DEVICE xx1 OR xx2 THE OTHER DEVICE IS MADE FREE FOR PRIVATE USE	Informative message. vsn Volume serial number setname Set name xx1 EST ordinal xx2 EST ordinal	Follow instructions given in message.	IRCP
DUPLICATE SN PARAMETER	Fatal user error.	Remove one SN parameter and retry.	GENLDPF PFLOG
DUPLICATE VSN PARAMETER	Fatal user error.	Remove one VSN parameter and retry.	GENLDPF
E BLOCKING NOT VALID ON LOWER CYBER	A SCOPE 2 job attempted to use GETPF or SAVEPF to stage a block type E file to or from the NOS/BE system.	Change the block type of the file being staged to something other than BT=E.	SOT
EC DISALLOWED ON SETS, EC IGNORED	Informative message. Request is processed as though EC were not a parameter.	No action required.	REQ
EC PARAM. INVALID-IGNORED	Nonnumeric value passed in FDB for ECS buffer length in attaching a permanent file.	Correct parameter syntax and retry.	7ECCOM
ECS COMPARE ERROR. RA+XO=addr WROTE-xxxxxxxxxxxxxxxxxxxx READ -yyyyyyyyyyyyyyyyyyyy	LDCMR has detected a bad write to ECS at location addr. x...x \ octal y...y / digits	Customer engineer should examine ECS if problem continues.	LDCMR
ECS DEAD	An unrecoverable ECS error occurred during swap in/swap out of direct access ECS. The user job associated with the swap in/swap out is aborted.	Rerun job. Call customer engineer if problem persists.	ECS
ECS EMPTY PAGE STACK BAD TYPE GO TO CONTINUE	Deadstart recovery encountered a bad empty stack entry.	Type GO to recover valid entries.	IRCP
ECS ERROR	Access to ECS from CPMTR is unsuccessful.	Notify system analyst.	CEM

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ECS ERROR ADDRESS addr BIT yy WAS t	System detected ECS error while loading ECS. Segment bit yy (decimal) at ECS address addr(octal) has value of t but should be the opposite value. Error has been recorded and corrected by system. If numerous messages occur in a short span of time, a nontransient condition probably exists.	Notify customer engineer. Normally, operator idles down system to prepare for deadstart and maintenance.	CEM
ECS ERROR AT ADDRESS addr	Fatal ECS error occurred during new system load from ECS. The system is now in step mode.	Notify customer engineer.	INIT
ECS ERROR LOADING rte	Routine rte (located in ECS resident library) was called and could not be loaded.	Notify system analyst. Rerun job.	CEM
ECS ERROR NUMBER BAD	System error; routine CEM called with out-of-bounds error code.	Notify system analyst.	CEM
ECS ERROR ON SWAP FILE	Parity error occurred on swap file in ECS during swap-in; job terminated.	Notify system analyst. Rerun job.	CEM
ECS ERROR - RMS PARITY FLAG SET	A descriptor for the routine has RMS parity error flag set. ECS library should not be used.	Notify system analyst.	CEM
ECS FAILURE AT ADDR, addr	Unrecovered write attempt to ECS has occurred. addr is the last ECS address with an unrecovered write attempt.	Notify customer engineer. Try deadstart recovery. However, ECS may not be operable.	ECSSUB
ECS FL TOO SMALL-NEED nnnn(RESTART)	Not enough ECS was requested on job statement. nnnn Number of words needed	Change EC parameter on job statement to request nnnn words of ECS.	RESTART
ECS HARDWARE FAILURE addr	While attempting to load an ECS segment, ECS hardware failure at address addr has occurred. System aborted.	Notify customer engineer.	LINKCMR
ECS INDEX ERROR	Read attempt on an ECS-resident random file specified an invalid index.	Correct problem and retry.	COM 6WM
ECS LABEL ERROR TYPE -CR- TO GO WITH ECS OFF	ECS label is not found or incorrect. Appears during recovery.	Carriage return causes recovery to continue without ECS.	IRCP
ECS NOT UP PRIOR TO CHECKPOINT ECS -N- ASSUMED TYPE GO TO CONTINUE	The ECS option selected for the Level 2 deadstart differs from the ECS status on the previous running system.	Type GO (CR) to continue deadstart with the indicated selection.	IRCP
ECS PARITY ERROR	ECS parity error during a system storage move terminated job. Job may be active at a control point or in job initialization phase requesting storage at a control point.	Notify system analyst and retry.	1EJ
ECS PARITY ERROR AT addr	An ECS parity occurred during storage move of 1000B words at addr.	Record address. Type ACK, to suppress message. Type a period to exit from step mode and resume processing.	MTR
ECS PARITY ERROR, DISK COPY LOADED	An ECS parity error occurred while loading an ECS-resident program; disk copy will be loaded.	No action required.	1AJ
ECS REQUEST IGNORED	Informative message. User may not specify nondefault ECS buffering for a staged-in-file.	Correct problem and retry.	GPF
ECS RESIDENT FILE IS INVOLVED NO CHECKPOINT TAKEN	Checkpoint/restart cannot handle ECS-resident files.	Change residence of file.	CKP
ECS RESIDENT FILE IS INVOLVED(CKP)	Checkpoint cannot handle ECS-resident files (requested with AX parameter); checkpoint refused.	Change residence of file.	CKP
ECS SYSTEM RPE, ADDR addr	Unrecovered read attempt to ECS has occurred. addr is the last ECS address with an unrecovered read attempt.	Notify customer engineer. Try deadstart recovery. However, ECS may not be operable.	ECSSUB
ECS WAS UP PRIOR TO CHECKPOINT ECS -U- OPTION ASSUMED TYPE GO TO CONTINUE	The ECS option selected for the Level 2 deadstart differs from the ECS status on the previous running system.	Type GO (CR) to continue deadstart with the indicated selection.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ECS WRITE ABORT	LDCMR has taken half exit on an ECS write.	Notify system analyst.	LDCMR
ECS WRITE ERROR (RESTART)	Lower exit taken on WE instruction.	Check to be sure that ECS is in use before RESTARTing job again. If it is, notify system analyst.	RESTART
EDITLIB FAILED TO ATTACH THE SYSTEM FILE-ZZZZZO4	Fatal error.	Retry. If problem persists, notify a system analyst.	EDITLIB
EDITLIB REQUIRES MORE FL	Fatal error.	Remove CM parameter from job statement and retry.	EDITLIB
EDITLIB WARNING - GO OR DROP.	Final warning to the operator that EDITLIB is about to change the running system.	Depending on site procedures, enter n.GO to allow the change or n.DROP to disallow the change.	MDI
EDITLIB WAS UNSUCCESSFUL IN ITS ATTEMPT TO ATTACH pfn FILE	Informative message. pfn Permanent file name	Retry. If problem persists, notify system analyst.	EDITLIB
ELM-ARGUMENT ERROR	Processor was called with an illegal device code or error block address.	Correct user program.	ELM
ELM-ERROR LOG MESSAGE LIMIT	User's error log message limit has been exceeded. Error is not logged. Informative.	No action required.	ELM
ELM-USER ECS NOT ASSIGNED	A call was made to report an ECS error. The control point did not have user ECS assigned.	Correct user program.	ELM
EMPTY FILE lfn	The system encountered the end of file before it read any data from file lfn. lfn Name of input file	Ensure that the input file is not empty and is not positioned at EOI and retry.	BINEDIT
EMPTY INPUT FILE	Nonfatal user error. LDCMR input file specified by F=filename parameter on LDCMR statement was empty.	Check F=filename parameter for errors and correct. If correct, check file filename for errors and correct.	LDCMR
EMPTY LINES	The NOTE/ENTER command contains only empty lines.	Correct the problem and retry.	NOTE
END INTERCOM	Informative message.	No action required.	1I1 1BR
END OF REEL ENCOUNTERED	The tape spun off task encountered end of tape volume while post-staging a tape from SCOPE 2. The spun off task automatically switches to the next tape volume and continues writing.	No action required.	SOTTP
END OF REEL-MOUNT NEXT REEL AND TYPE GO	Informative message.	Mount second tape; type GO and press carriage return.	IRCP
END OF TAPE MOUNT NEW REEL HIT CR	End-of-tape reflective spot encountered.	Mount next reel on same unit; press carriage return.	IRCP
END QUEUE PROCESSING	Informative message.	No action required.	1QF
END RMF	Informative message indicating termination of Remote Maintenance Facility (RMF).	No action required.	1BR
lfn.\$ END dev TID= id ee/ppp/sss nnnnnnn	This message indicates the end of an INTERCOM 5 remote batch stream. lfn File name on READ-FN if READ,lfn command was used. dev Device mnemonic and ordinal. id Terminal id of the terminal processing the file. ee EST ordinal of the 2550 to which the terminal is connected. ppp Port ordinal of the terminal. sss Terminal site address. nnnnnnn Count of cards read or punched, or lines printed (decimal).	No action required.	1NP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
scpname ENDED BY SYSTEM	Informative message indicating that scpname, to which this job was connected, has ended or been aborted. scpname System control point name	Rerun job.	1B0
ENDRUN ENCOUNTERED BEFORE A COMPLETE	Informative message.	Correct EDITLIB directives and retry.	EDITLIB
ENDRUN ENCOUNTERED BEFORE A FINISH	Informative message.	Correct EDITLIB directives and retry.	EDITLIB
ENTER GO, NEXT FILE, OR TERMINATOR VIA N.CFO	Informative operator action request.	Enter GO, next file or terminator via n.cfo. This is second message; preceding message gives type of error encountered.	QUEDUMP
ENTER REMOTE MF LID	ITF requests user to type in LID of mainframe.	Enter LID.	MFINT
ENTER SEQ,ON TO RERUN QTFI JOB EVERY n MINUTES.	Informative operator action request. The job sequencer must be operating if QTFI job is to execute automatically every n minutes.	Enter n.GO to clear the message.	QTFPROC
ENTER TIME TO START INTERCOM/RMF	Informative operator action request.	Enter TIME hh.mm.ss. to complete INTERCOM and/or RMF recovery.	111
jobname. ENTERED INPUT QUEUE	Informative message. Job has entered input queue. jobname Name of system job	No action required.	1TJ
ENTRY FOR C.P NOT FOUND IN FNT-DSM	Fatal system software error, setname not found in FNT.	Notify system analyst.	DSM
ENTRY ept IS IN THE WRONG MODE	Fatal user error. A GOTO or CALL was made to entry ept from a segment having a different mode. ept Entry point name	Change mode of either entry or segment that referenced it.	LDCMR
ENTRY NAME ON NOGO NOT FOUND-ept	Entry points do not exist in load. ept Entry point name	Correct problem and retry.	LOADER
ENTRY ON LIBLOAD NOT FOUND-ept	Informative message. ept Entry point name	Notify system analyst.	LOADER
ENTRY POINT COLLECTION TABLE OVERFLOW	An internal EDITLIB buffer is not large enough.	Enlarge program parameter BUF4S and install new version of EDITLIB.	EDITLIB
ENVIRONMENT WARNING.	An abnormal environment condition such as high temperature or humidity caused system shutdown.	Notify customer engineer.	1MR
EOF BEFORE prog FOUND	EOF was encountered before interval was satisfied. prog Program name	Check EDITLIB directive for misspelled program name. Ensure that specified program exists on specified file.	EDITLIB
EOF ENCOUNTERED IMMEDIATELY BY COPYCR/COPYBR	Informative message.	Correct problem and retry.	COPYBR COPYCR
EOF/EOI ENCOUNTERED BEFORE ALL THE RECORDS WERE TRANSFERRED	Informative message.	Check EDITLIB directives and file of transfer records. Ensure proper directives and file. Retry.	EDITLIB
EOF FORCED BY OPERATOR	Informative message. Operator did not know VSN of next reel. System will return EOF status level 17 to user.	No action required.	3IV
EOF WRITTEN	The tape staging spun off task encountered an unrecoverable error while writing a tape. It wrote a default EOF trailer label.	No action required.	SOTTP
EOI ENCOUNTERED AFTER COPY OF FILE Lfn RECORD recname	Informative message. lfn File name recname Record name	No action required.	COPYCF COPYBF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
EOI ENCOUNTERED AFTER COPY OF FILE Lfn	Informative message. Lfn File name	No action required.	COPYCF COPYBF
EOI ENCOUNTERED AFTER COPY OF RECORD recname	Informative message. recname Record name	No action required.	COPYBR COPYCR
EOI ENCOUNTERED IMMEDIATELY BY COPYCF/COPYBF	Informative message.	No action required.	COPYCF COPYBF
EOI ENCOUNTERED IMMEDIATELY BY COPYCR/COPYBR	Informative message.	No action required.	COPYBR COPYCR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
lfn EOI ENCOUNTERED PREMATURELY RESTART POSITION UNCERTAIN -RUN ABORTED	An EOF/EOI occurred on file lfn before RESTART expected one. Probably means tape has been overwritten, or wrong tape assigned.	If wrong tape, retry with correct tape.	RESTART
EOI/EOF ENCOUNTERED BEFORE LITERAL FIELD TERMINATOR FOUND	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
EOI/EOF/EOR ENCOUNTERED-NO DATA COPIED	Informative message indicating that the system copied from an empty file or record.	Correct problem and retry.	COPYBF COPYBR COPYCF COPYCR
EOR ENCOUNTERED AFTER COPY OF RECORD recname	Informative message. recname Record name	No action required.	COPYBR COPYCR
EOR/EOF ENCOUNTERED DURING RECOVERY FROM A SYNTACTICAL ERROR	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
EOR/EOF ENCOUNTERED ON INPUT DURING THE SCAN OF A COMMENT FIELD	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
EOR/EOF ENCOUNTERED WHILE IDENTIFYING A DIRECTIVE	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
EOR/EOF ENCOUNTERED WHILE SEARCHING FOR A DELIMITER	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
EOV LABEL FORCED BY SYSTEM	Tape mark but no valid EOV label after EOT. System proceeds as if an EOV1 trailer was read.	No action required.	1RP
EOV WRITTEN	The tape staging spun off task encountered an unrecoverable error while writing a tape. It wrote a default EOV trailer label.	No action required.	SOTTP
EPF ABORT - EPF NOT CALLED FROM SYSTEM OVERLAY	Fatal user error.	Do not attempt call of EPF from a user program.	EPF
EPF ABORT - MASTER DEVICE NOT ON	Fatal operator error.	Turn on device.	EPF
EPF ABORT - NO ENTRY IN FNT FOR OSD000	Fatal error.	Notify system analyst.	EPF
EPF ABORT - NO. OF RBRS EXCEEDS RBRWD BY ec	AUDIT problem. ec File definition block error return code listed on the inside front cover.	Notify system analyst.	EPF
EPF ABORT - NO RBTC ENTRY IN FNT	Fatal system error.	Notify system analyst.	EPF
EPF ABORT - SET NOT MOUNTED	User error.	Notify system analst.	EPF
EPF ABORT - STACK REQUEST FAILURE	Fatal system error.	Notify system analyst.	EPF
EPF ABORT - SYSTEM ERROR NO.ec	AUDIT problem. ec File definition block error return code listed on the inside front cover.	Notify system analyst.	EPF
EPF ABORT - VSN INVALID	Fatal system error.	Notify system analyst.	EPF
EPIB REVISION LVL MISMATCH ACTUAL VALUE IS xx EXPECTED VALIE IS yy DEADSTART ABORTED	CMR did not contain the proper version of the Error Processing Interface Block for the version of CONTROL being used. xx EPIB revision level in CMR yy EPIB revision level in CONTROL	Rebuild your deadstart tape using compatible versions of CMR and CONTROL.	CONTROL
EPNT LIST OVERFLOW - INCREASE THE SIZE OF BUF4	Fatal error.	Enlarge program parameter BUF4S and install new version of EDITLIB.	EDITLIB
EPNT OVERFLOW	More than 2047 entries in entry point name table.	Correct problem and retry.	EDITLIB
EPNT OVERFLOW WHILE ADDING PGM prog TO LIBRARY	More than 2047 entries in entry point name table. prog Program name	Correct problem and retry.	EDITLIB
EQUIPMENT NOT AVAILABLE - DROP OR RESTART	Status returned from REQ. RESTART stalled because no tape units are available.	Drop job or make unit available and type j.RECHECK.	RESTART

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
EQUIPMENT NOT FOUND IN EST	BCLOAD could not find an appropriate EST entry with a channel specified in the BCLOAD call. The EST entries BCLOAD will consider are MT and NT (but not MT-A and NT-A), AY, AZ, AJ, and NC.	Specify the correct channel number.	BCLOAD
EQUIPMENT NUMBER TOO LARGE	INTERCOM problem. Equipment number greater than seven.	Notify system analyst.	111
EQUIVALENCE MEANINGLESS FOR THIS OPTION	Nonfatal user error. A control statement parameter should not be followed by an equal sign, but was.	Remove equal sign and value (if specified) following parameter.	COMQARG
ERASE LIMIT EXCEEDED	Informative message. System unable to write a good tape mark onto tape. Continues until EOT detected.	No action required.	1WS 1NW
ERASE PARITY ERROR IRRECOVERABLE	Return if EP bit is set. Tape could not be erased completely.	Certify tape and retry. Operator requested to type GO or DROP.	31M
ERRec ESTxx CHcc	Hardware error on RMS device in channel number cc; EST ordinal is xx and octal error code is ec. Refer to RMS Error Recovery in NOS/BE Operator's Guide for error codes.	Idle-down the device and clear error message.	7ID CEM
ERR-INVALID IAP COMMAND ORDINAL	User error. Invalid call to peripheral processor routine IAP.	Correct problem and retry.	IAP
ERR-MAC RETURNING ZERO TIME TO EDITOR	Software error in peripheral processor routine MAC.	Notify system analyst.	MAC
ERR 1R2, EC .GE. 8	Software error.	Notify system analyst.	1R2
****ERROR**** DEFINED ECS TO LARGE ECS LABEL PROCESSING WILL BE RESUMED BY CARRIAGE RETURN	Defined ECS field length is larger than available ECS field length.	Press carriage return to accept available ECS field length or reduce ECS field length description.	IRCP
-ERROR	An operator entry has an incorrect format, an operator entry is illegal, or there is an error in the RMS configuration or in the ECS working label.	Refer to the NOS/BE Operator's Guide for assistance and retry.	IRCP
ERROR - BUFFER SIZE	Computer buffer size is greater than size of ECS. Bottom of ECS display on left screen.	Correct buffer size.	IRCP
ERROR CONDITION NOT CLEARED LAST REQUEST	Fatal error, code 22. File environment table shows that an error occurred on previous function. Program did not clear error status.	Correct problem and retry.	C10 6WM
ERROR DUPLICATE ENTRY POINT NAME IN PGM NAME program	Fatal error.	Correct problem and retry.	EDITLIB
ERROR-ENTER N.CFO FILENAME ON N.CFO TO TERMINATE	Operator action request. Operator error.	Retry.	QUEDUMP
ERROR-FILENAME MUST BE 7 CHARACTERS	Operator error.	Retry.	QUEDUMP
ERROR IN ARGUMENTS	Fatal error. Illegal argument was specified. Any EXIT(S) processing occurs.	Correct control statement.	ITEMIZE
ERROR IN BLANK LABELING DISK	Nonfatal user error. Error status returned by common deck that reads label. -I/O error. -Checksum error.	User must relabel disk before using the ADDSET command.	DLM
ERROR IN CLEARING DISK INTERLOCK	Hardware or pack contents error.	Drop job and run RECOVER if this persists for 10 seconds.	DLM
ERROR IN EDITLIB DIRECTIVE	User error.	Correct problem and retry.	EDITLIB
ERROR IN FL(1RC)	Probable system error.	Notify system analyst.	1RC
ERROR IN LABEL READ/WRITE	Fatal system software or hardware error.	Notify system analyst.	DUMPF
ERROR IN LOGICAL PP-S 0-3 DEADSTART ABORTED	Logical peripheral processors 0,1,2, and 3 are used by deadstart and cannot be turned off. Either the operator turned off some of these peripheral processors or CONTROL has detected a hardware problem in a CYBER 70 or Series 6000 peripheral processor. Reconfiguration is not possible.	Notify customer engineer.	CONTROL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ERROR IN LOGICAL PP-S 0-3 RECONFIGURE TO REASSIGN LOGICAL PPO	Logical peripheral processors 0, 1, 2, and 3 are used by deadstart and cannot be turned off. Either the operator turned off some of these peripheral processors or CONTROL has detected a hardware problem in a CYBER 170 peripheral processor.	Use peripheral processor memory switches on the deadstart panel to assign logical peripheral processor 0 so that no parity errors occur in logical peripheral processors 0 through 3. Initiate another deadstart and using the Off Processor display, turn off the bad peripheral processors.	CONTROL
ERROR IN PARAD (1RC)	Probable system error.	Notify system analyst.	1RC
ERROR IN PARTITION TABLE RECOVERY ABORTED	Informative message.	Another deadstart is required to correct ECS partition table.	IRCP
ERROR IN PFD/PFC READ/WRITE	Fatal system software error. Could not read or write PFD/PFC. Error code was passed to 1PD by PFM routines. (FDB return code=073B.)	Notify system analyst and retry.	1PD
ERROR IN READ/WRITE	Fatal system software error.	Notify system analyst.	AUX
ERROR IN READING UFM	Informative message. Utility flaw map could not be read from an 844-21, 844-41, or 885 disk pack.	Notify customer engineer.	LABELMS
ERROR IN ROUTE FUNCTION LFN=Lfn	An error was encountered in a ROUTE or DISPOSE macro, or in an RA+1 call to DSP. Error message further describes problem. Lfn File name	Correct problem and retry.	DSP
ERROR IN TRYING TO LOAD SEGMENT	Cannot load a system overlay.	Notify system analyst.	EDITLIB
ERROR IN XL BUFFER FORMAT	User error. Buffer pointer is bad, there is no HDR1 label, or label is not a standard ANSI label. CIO calls 6WM to issue message.	Correct problem and retry.	6WM
ERROR IN 5TH COPYL PARAMETER	Fatal error; only A, R, and T are recognized parameters. Any EXIT(S) processing occurs.	Correct processing option parameter.	COPYL/ COPYLM
ERROR-INPUT IGNORED	Operator entry is ill-formed or its value exceeds size of ECS.	Correct problem and retry.	IRCP
ERROR LOADING - CED -	The deadstart file was built incorrectly.	Redeadstart using a different level or another deadstart file.	OSB
ERROR LOADING - DDAM -	Hardware errors were detected when trying to read the deadstart file.	Deadstart from another device.	OSB
ERROR,LVL DIRECTIVE NUMBER MESSAGE	A message relative to error detected will accompany this header.	See subsequent message.	EDITLIB
ERROR MODE=m,ADDRESS=addr	The program terminated because of CPU program error or CPU hardware error. If m=0, the program attempted to execute an illegal instruction at the address. If m=1, the address is out of range. If m=2, the operand is out of range. Refer to MODE control statement in NOS/BE Reference Manual for complete discussion of error modes, and to the hardware reference manuals for the mainframe you are using. m Mode. addr CPU address where error was detected.	Correct problem and retry.	1EJ
ERROR ON THE LINK MEDIUM	The dead dump spun off task detected a fatal error condition while writing data to the link file during a SCOPE 2 dump.	Take a dump of the field length of the spun off task and notify system analyst.	SOTDP
ERROR READING L.M.	The spooling spun off task detected a fatal error condition while reading data from the link.	Take a dump of the field length of the spun off task and notify system analyst.	SOTSP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ERROR - RESTORING jobname,q-did/tid	Software error which is being recovered. jobname Name of job or file being transferred. q Queue in which the job or file is located. I Input O Output P Punch E Execute S Special J JANUS did Destination identifier. tid Terminal identifier.	Notify system analyst.	GEMINI
ERROR STATUS ON READ OR WRITE	Fatal system software or hardware error.	Notify system analyst.	MNT
ERROR STATUS RETURNED ON A READ-DSM	Fatal hardware error.	Notify system analyst.	DSM
ERROR STATUS RETURNED ON A WRITE-DSM	Fatal hardware error.	Notify system analyst.	DSM
ERT EXCEEDS MAX. TABLE SIZE. DECREASE THE NO. OF PGM IN THIS LIBRARY	External reference table out of range.	Remove some programs from this library.	EDITLIB
-ES- ATTEMPTING AUTO RECOVERY EST=xx	MFSTAT is restarting the link on EST ordinal xx.	No action required.	LINK-ERROR
-ES- COMMAND REJECTED	An operator LOGIN or LOGOUT command was not processed because either a link device was not found for a LOGIN or an active link was not found for a LOGOUT.	If the user is attempting to bring up a link, he must turn on the EST entry for the link device and type LOGIN.	LOGHIM-IN LOGHIM-OUT
-ES- DSP FATAL ERR ec, lfn	Fatal error ec detected by MFSTAT when routing file lfn to the input queue. Values of ec are listed in section 7 of the Reference Manual.	Take steps to save the file on the linked mainframe. Drop MFSTAT to get a dump. Notify system analyst.	CLOSEP
-ES- DUP PID pid ON EST=xx	The physical ID, pid, of the mainframe on EST ordinal xx is the same as the physical ID of another mainframe already logged in causing the login to fail.	The physical ID of one of the mainframes needs to be changed. Notify a system analyst.	LOGINRP
-ES- EXCESS DATA EST=xx SC=sc MC=mc	A message that exceeded the size of the station's receive buffer was received on a subchannel from a linked mainframe. The station will automatically attempt to restart the link. xx EST ordinal sc Subchannel mc Message code	If the problem persists, notify system analyst and/or customer engineer.	LINK-ERROR
-ES- FNT SPACE CRITICAL WAITING TO ROUTE filename	DSP error 32B detected by MFSTAT when routing filename to the input queue.	Take steps to free FNT space. When FNT space becomes available, the route will occur and the message will be cleared.	CLOSEP
ESxx LINE nnn ILLEGAL ACTION	A preceding LINEON or LINEOFF command could not be performed. xx EST ordinal nnn Line number	Retry command.	1BR
ESxx LINE nnn ILLEGAL EQUIPMENT	A preceding LINEON or LINEOFF specified an EST entry which is not a multiplexer. xx EST ordinal nnn Line number	Correct EST number and retry command.	1BR
ESxx LINE nnn ILLEGAL PART	A preceding LINEON or LINEOFF command specified a line that does not exist. xx EST ordinal nnn Line number	Correct line number and retry.	1BR
-ES- LINK DRIVER ERROR es EST=xx	The link driver detected an error and set an error status in MFSTAT subchannel table. Refer to the MFSTAT dayfile for a more detailed description of the error. es Error status xx EST ordinal	If the error persists, take a dump and notify system analyst and/or customer engineer.	LINK-ERROR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-ES- LINK DRIVER ERROR EST=xx MASTER CLEAR COUPLERS AND LOGIN	The link driver error reported by a previous dayfile message for the link on EST ordinal xx is a FATAL error causing the link driver to stop running.	Clear the error condition on both mainframes: -DCN the channel -Push MASTER CLEAR buttons on 6683/7683 couplers -Type LOGIN to restart the link. If the error persists, take a dump and notify system analyst and/or customer engineer.	LINK- ERROR
-ES- LINK DRIVER HUNG EST=xx ACN OR DCN CHANNEL	The link driver assigned to EST ordinal xx is not responding to MFSTAT requests because it is hung (probably on a couple channel I/O instruction).	Bring up the M display. If the channel for that EST ordinal shows F (full) or E (empty), try to clear it with DCN commands. If the channel shows I (inactive) status try to activate it with ACN commands. When the channel is cleared, MFSTAT will restart the link automatically. If the hang condition persists, take a dump and notify system analyst and/or customer engineer.	LINK- ERROR
-ES- LOGIN. or -ES- LOGIN,d.	MFSTAT is processing an operator LOGIN command. d Last character of physical ID of a linked mainframe.	No action required.	LOGHIM- IN
-ES- pid LOGIN EST=xx	MFSTAT has completed the login to mainframe pid on EST ordinal xx.	No action required.	LOGINRP
-ES- LOGIN REJECT EST=xx	The login reply message from the mainframe on EST ordinal xx contained a reject code causing the login to fail.	Take a dump of MFSTAT's field length by dropping MFSTAT and notify system analyst.	LOGINRP
-ES- LOGOUT. or -ES- LOGOUT,d.	MFSTAT is processing an operator LOGOUT command. d Last character of physical ID of a linked mainframe.	No action required.	LOGHIM- OUT
-ES- pid LOGOUT EST=xx	MFSTAT has logged out from mainframe pid on EST ordinal xx.	No action required.	RCVR- ACTIVE
-ES- NO COUPLER FOUND	MFSTAT did not find any link devices (device types CC and CX) in the EST or the devices were not on.	Turn on a link device in the EST and type LOGIN.	INI- TIALIZE
-ES- pid NOT RESPONDING	MFSTAT has not been able to communicate with mainframe pid within the last 30 seconds.	No action required.	ACTSUBC
-ES- REQ FATAL ERROR ec, DT=dt, LFN=lfm TYPE GO OR DROP	Upon making a call to REQ to assign file lfm to device type dt, MFSTAT encountered fatal error ec. Refer to the REQUEST macro in the NOS/BE Reference Manual for more information regarding the error code.	Enter n.DROP to take a dump of MFSTAT's field length. Notify system analyst. If n.GO is entered, the REQ call will be retried.	REQFILE
-ES- pid SYNTAX REJECTED CODE=ec	A syntax table was requested of the linked mainframe pid. Reject error code ec was returned instead. Either the linked mainframe did not have the display improvement capability or it was turned off. (Refer to common deck CODES in SCOPE 2 for reject error codes.)	If display improvements have been installed, notify a SCOPE 2 analyst. Otherwise, no action required.	SYNTAX
-ES- pid SYNTAX REJECTED DISPLAY LENGTH .GT. DISNAMESIZE	A syntax table was requested of the linked SCOPE 2 mainframe pid. The request was rejected because the number of words in the display part of the reply was larger than the space allocated in MFSTAT.	Increase the size of DISNAMESIZE (located in common deck COMTUNE).	SYNTAX
-ES- pid SYNTAX REJECTED LENGTH .GT. RECEIVE BUFFER	A syntax table was requested of the linked SCOPE 2 mainframe pid. The request was rejected because the syntax replay length was greater than MFSTAT's receive buffer.	Increase the size of LRGBUF (located in common deck COMTUNE).	SYNTAX

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-ES- pid SYNTAX REJECTED NO ZERO WORD AT END OF DISPLAY or SYNTAX	A syntax table was requested of the linked SCOPE 2 mainframe pid. The request was rejected because the display or syntax part of the reply was not terminated by a zero word. This could be caused by an error by the SCOPE 2 system in constructing the reply or by an error in transmission.	Notify a SCOPE 2 analyst.	SYNTAX
-ES- pid SYNTAX REJECTED SYNTAX LENGTH .GT. SYNTAXSIZE	A syntax table was requested of the linked SCOPE 2 mainframe pid. The request was rejected because the number of words in the syntax part of the reply was larger than the space allocated in MFSTAT.	Increase the size of SYNTAXSIZE (located in common deck COMTUNE).	SYNTAX
-ES- UNEXPECTED DATA EST=xx SC=sc	A message was received on subchannel sc from a linked mainframe before processing of the previous message was finished. If the error message appears during LOGIN/LOGOUT command processing or when the link is being recovered, it can be ignored. If the message appears at any other time, the error is caused by an internal software problem. xx EST ordinal	If the error persists, take a dump of MFSTAT's field length and notify system analyst or customer engineer or both.	LINK- ERROR
-ES- WAITING FOR FNT SPACE FOR REQ	Upon attempting to call REQ to make a file assignment, MFSTAT determined that the file name table was full.	Follow site procedures to make file name table space available.	REQFILE
-ES- WAITING FOR LINK ON EST xx1 xx2 xx3	MFSTAT is waiting for users to finish logging in on devices with EST ordinals xx1, xx2, and xx3.	None.	INI- TIALIZE LOGHIM- IN
EST AND PSEUDO EST TABLE MISMATCH	Either a multiplexer has been added to EST or pseudo-EST table has been damaged.	Run LISTCID to retrieve dumps. Notify system analyst.	1BR
EST BUSY I/L PRESET	Fatal user or operator error.	User or operator must ensure that device set on which RECOVER is executing is not in use by any other job.	RECOVER
EST xx CANT CLR I/L	Hardware error. xx EST ordinal	Drop job if this persists 2 seconds, and run RECOVER or LABELMS.	ADS
EST/DST/RBR TABLE CONFLICT RECOVERY ABORTED	Tables cannot be recovered.	Perform a level 0 or 1 deadstart.	IRCP
EST ENTRY xx IS BAD RECOVERY ABORTED.	Device type assigned by operator differs from user REQUEST. xx EST ordinal	Perform a level 0 or 1 deadstart.	IRCP
EST xx I/L UNCERTAIN	Fatal error. Disk hardware error makes it impossible for ADS to release label interlock. xx EST ordinal	Notify system analyst.	ADS
EST IS WRONG DEVICE TYPE. SHOULD xx BE ASSIGNED TYPE N.YES OR N.NO	Device type assigned by operator differs from user REQUEST. xx EST ordinal	Type n.NO to retry.	REQ
EST xx - - MALFUNCTIONING OR NON-EXISTENT tpm/mux.	The RMF driver tried to bring up a non-existent or malfunctioning multiplexer. xx EST ordinal tpm/mux Two port multiplexer	Notify system analyst.	1RM
EST NOT IN MOUNT STATUS	Fatal system error.	Notify system analyst.	MNT
EST xx NOT IN PSEUDO TABLE	Multiplexer entry was added to EST while INTERCOM and/or RMF was up. xx EST ordinal	To get a driver up on this multiplexer, drop INTERCOM and/or RMF and bring it up again.	111
EST xx NOT IN RBR HEADERS TYPE GO TO IGNORE CHAIN	Informative message. xx EST ordinal	Type GO to end validation of current word pair.	IRCP
EST NOT ON/FREE/ALLOCATABLE	Informative message.	Make new assignment: n.PACK E=xxx, VSN=vsx.	LBL
EST xx NPU STOPPED	255x load has not completed because of a 255x stop. xx EST ordinal	Type ACK. If the driver does not come up, turn the 255x back on and enter INTERCOM xx (same EST ordinal as in message). If the driver still does not come up, notify customer engineer.	1NI

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
EST ORD IGNORED	Informative message. EST ordinal is ignored as a REQUEST parameter.	No action required.	REQ
EST PROBLEM	Fatal system error. EST ordinal is zero or not the ordinal of an RMS device.	Notify system analyst.	RECOVER
EST/TAPES TABLE CONFLICT RECOVERY ABORTED.	Tables cannot be recovered.	Perform a level 0 or 1 deadstart.	IRCP
EST VALUE OUT OF RANGE	Fatal system error.	Notify system analyst.	RECOVER
EST=xx VSN=vsn	Informative message. The operator assigned xx and vsn in response to a LABELMS command. xx EST ordinal vsn Volume serial number	No action required.	LBL
EST xx VSN NOT MATCH	Operator error. xx EST ordinal	Mount correct pack and reassign.	ADS
EST xx WAIT EXCLU ACCESS	Informative message given during processing state. xx EST ordinal	No action required if device is in use by any job, by any public set, or by any mainframe. In any other case, run RECOVER (if xx is an existing master) or LABELMS.	ADS
ETL IGNORED FROM NON-INTERACTIVE JOB	Informative message. The ETL command is valid only when running at an INTERCOM terminal.	Remove ETL command from control card stream to get rid of the message.	INSUTIL
EVICT ILLEGAL ON PERMANENT FILE	Return dependent upon setting of EP bit. Error code 32.	Correct problem and retry.	6WM
lfn EVICTED BY REMOTE OPERATOR	Remote operator EVICT of file lfn.	No action required.	1CI
EX ID = ownname PFN = pfn EX CY = cy SN=setname size WORDS.	Informative accounting message issued when file is extended or altered. ownname owner name. pfn Permanent file name. cy Cycle number. setname Set name of device on which file resides. size File size (decimal).	No action required.	6PM
EXCESS TYPE N.CFO response-options	The number of characters typed in on a CFO command to the deadstart spun off task exceeds the maximum for the parameter that was entered.	Retype the command.	SOTDS
EXIT ITF WHEN POSSIBLE	ITF is entering a shut down phase.	Exit ITF.	MFINT
EXIT - WITH CONNECTIONS	A system control point has issued an SF.EXIT while connections to user control points exist.	Correct problem and retry.	SSF
EXPIRED FILE DUMP	Informative message.	No action required.	DUMPF
EXPORT ABORT	Fatal error.	Drop EXPORT and re-initialize. Run LISTCID to get dump.	1HS
EXPORT ACTIVE	Informative message.	No action required.	1HS
EXPORT INITIATED	Informative message.	No action required.	EHS
EXPORT NOT CALLED BY SYSTEM ORIGIN JOB	Fatal user error. EXPORT cannot be called by a user program.	EXPORT must be initialized at central site console.	EHS
EXPORT NOT LOADED FROM SYSTEM LIBRARY	Fatal user error. EXPORT does not reside on the system library.	EXPORT must be entered in the system with EDITLIB.	EHS
EXPORT TERMINATED	Informative message.	No action required.	1HS
EXTEND pfn FAILED-PF RETURN CODE ec	Attempt to extend file pfn resulted in FDB return code ec. (Refer to the inside front cover.)	Notify system analyst.	TDS
EXTEND FUNCTION UNSUCCESSFUL ON SYSTEM EXTENSION FILE	Informative message.	Notify system analyst.	EDITLIB
EXTERNAL REFERENCE COLLECTION TABLE OVERFLOW	An internal EDITLIB table is not large enough.	Enlarge program parameter BUF5S and install new version of EDITLIB.	EDITLB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
E1200 SPECIFIED - INTERCOM USED (DSP)	DISPOSE of file to E1200 terminal specified but not allowed - INTERCOM used.	Correct problem and retry.	DSP
FAD NOT CALLED BY INTERCOM MUJ	Fatal user error. Peripheral processor routine FAD cannot be called by a non-INTERCOM program.	Run program interactively from a terminal.	FAD
FAD SYSERR FROM addr	INTERCOM problem.	Notify system analyst.	FAD
FATAL DISK ERROR----TYPE GO	Fatal disk error detected or disk idled down when job swapped in.	Type j.GO. to acknowledge.	6SI
FATAL ECS PARITY ERROR - TYPE GO	Fatal parity error detected when job was swapped in from ECS.	Type j.GO. to acknowledge.	6SI
xxx FATAL ERROR.	An unrecovered error in central memory, central processing unit, or I/O unit caused system shutdown. xxx CM, CPU, or IOU	Notify customer engineer.	1MR
FATAL USER CALL	NSV access was attempted by a user program. User program aborted.	No action possible.	NSV
FDB ADDR ERR	Conditionally fatal user error. FDB address is outside job field length. Error code passed to 1PD by PFM routines.	Correct program that calls permanent file routine.	1PD
FDB ADDRESS INVALID	Conditionally fatal user error. FDB address is outside job field length.	Correct program that calls permanent file routine.	GPF SPF
FDB TOO LARGE	Fatal user error. File definition block is larger than the buffer allocated for it in peripheral processor memory.	Reduce size of FDB and retry.	PFR
FE xx LINE nnn OFF	The 255x has determined that line nnn is out of order and turned it off. xx EST ordinal	Type ACK. Check the indicated line for a hardware problem.	1ND
FET BUFFER POINTER INVALID	Fatal error.	Correct problem and retry.	3IM
FET ERR	Reference to an FET word that is beyond field length. Also issued if FET does not have random bit set or size of FET is too short to include word FET+6.	Correct problem and retry.	LDL
FET/FNT LFN CONFLICT	Fatal system error. The filename in file environment table does not match the file name in file name table.	Notify system analyst.	PAK
FET NOT IN USER FL	Fatal error, code 22.	Correct problem and retry.	3IM
FET OUTSIDE FL	All or part of file environment table outside user field length. Fatal error, code 22.	Correct problem and retry.	6WM
FET/PSEUDO-FET ADDR OUTSIDE USER FL	Fatal system error. Calling routine passed bad file environment table address.	Notify system analyst.	PAK
FET SIZE LESS THAN MINIMUM ALLOWED	Fatal error.	Correct problem and retry.	3IM
FET TOO SHORT	Fatal user error, code 22. User file environment table too short to extract necessary information.	Correct problem and retry.	6WM
FETCH NOT ALLOWED FROM A BATCH JOB	The FETCH command can be entered from INTERCOM only.	Use ATTACH control statement in place of FETCH and rerun job.	FETCH
FIELD IS NONNUMERIC ILLEGAL TEXT CARD	Informative message.	Correct problem and retry.	COPYN
FIELD LENGTH INCREASED BY 2000 WORDS TO ACCOMMODATE TABLES	Informative message.	No action required.	EDITLIB
FIELD LENGTH OVERRIDE BIT CANNOT BE SET BY THE FL PARAMETER	User error.	Correct problem and retry.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FIELD LENGTH TOO SHORT	User error. Insufficient field lengths specified.	Rerun job with more field length.	RECOVER
FILE ALREADY ATTACHED	<p>Informative message indicating that a permanent file that is attached to the job with a local file name is being purged with a different local file name. For example:</p> <p>ATTACH,A,PFN,ID=X,PW=Y.</p> <p>PURGE,B,PFN,ID=X,PW=Y.</p> <p>Permanent file PFN is purged and local file B exists. However, local file A no longer exists.</p>	No action required.	PFA

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FILE ALREADY IN SYSTEM	Conditionally fatal user error. FDB return code=035B. A file already exists in the system; permanent file will not be loaded.	If necessary, use REPLACE command or change the name and/or ID of the file to be added.	LOADPF LPF 1PD
FILE CCCCCI MISSING (RST)	Restart is not possible because required file CCCCCI is missing on checkpoint tape.	Rerun job that generated checkpoint tape.	RST
FILE CONTAINED ON FOLLOWING NO. OF REELS n	Informative message. PF archive file occupies n reels.	No action required.	DUMPF
FILE COUNT GT 2**18-1	Informative message.	Reduce file count to 2**18-1 or less and retry.	COPYCF COPYBF
FILE COUNT PARAMETER NOT NUMERIC	Fatal error. The file count was not numeric. Any EXIT(S) processing occurs.	Correct the N=n parameter.	ITEMIZE
FILE EVICTED BY THE OPERATOR - jobname	jobname was removed from input, output, or punch queues. Mass storage is released.	No action required.	1MH
FILE FNT NOT FOUND	Fatal error.	Notify system analyst.	RECOVER
FILE IS BAD ON TAPE. TYPE GO OR DROP.	Parity error encountered in reading tape.	If a backup tape is available, type n.CFO TERMINATE and then use the backup; otherwise, type n.CFO SKIP to continue with the present tape.	LOADPF
FILE pfn IS NOT A LIBRARY	Informative message. pfn Permanent file name	Ensure specified file is a library and retry.	EDITLIB
FILE LIMIT EXCEEDED - USE LESS	Informative message.	If number of files cannot be decreased, increase program parameter MFILES and install new EDITLIB version.	EDITLIB
FILE MAY NOT RESIDE ON DEVICE ASSIGNED	Fatal error, code 22. Operator assigned incorrect device.	Correct problem and retry.	6WM
FILE NAME CONFLICT.	At least two of the file names are the same. EXIT processing occurs if it is specified.	Rename files and retry.	COPYL COPYLM ITEMIZE
FILE NAME lfn CONTAINS AN INCOMPLETE BINARY RECORD	Fatal error. lfn File name	Correct problem and retry.	EDITLIB
FILE NAME GT 7 CHARS	File name on DISPOSE statement must not exceed 7 characters; statement is ignored.	Correct problem and retry.	DISPOSE
FILE NAME MUST BEGIN WITH AN ALPHABETIC CHARACTER	Informative message.	Correct problem and retry.	EDITLIB
FILE NAME NOT IN MULTI-FRAME SET (LABEL)	Specified file name not in multifile set. Job terminated.	Correct problem and retry.	LABEL
FILE NAME NOT SPECIFIED	File name must be specified on a DISPOSE statement. DISPOSE statement is ignored.	Specify file name and rerun job.	DISPOSE
FILE NAME TOO BIG (RESTART)	Bad file name in control statement.	Correct problem and retry.	RESTART
FILE NAME TOO LONG	The file name was longer than seven characters. EXIT processing occurs if it is specified.	Shorten file name and retry.	COPYL COPYLM
FILE NEVER ASSIGNED TO DEVICE	Conditionally fatal user error (FDB return code = 022B). File does not exist.	Ensure that program has created file.	1PD
FILE NOT AVAILABLE	An operation was attempted on an unuseable file.	File cannot be used until after level 0 or 1 deadstart. If file is on private pack, run RECOVER.	PFA PFE PFP PFR
FILE NOT CATALOGUED, SN = setname	Informative message. setname Device set name	No action required.	1PD
FILE NOT FOUND	Response to ENDP, n.DIR, or STAGE command; file not found.	Correct problem and retry.	DSD
FILE NOT IN SYSTEM	Conditionally fatal user error (FDB return code = 012B). Error code passed to 1PD by PFA. File name typed in with STAGE command could not be located in tape queue.	Check file name for spelling.	1PD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FILE NOT IN SYSTEM TYPE N.RERUN OR N.DROP	The permanent file to be used for a SCOPE 2 deadstart was not cataloged on the system.	Drop the deadstart spun off task or rerun it and enter the correct permanent filename, identifier, and cycle.	SOTDS
FILE NOT IN TAPE QUEUE	Illegal name as tape job not in queue.	Correct problem and retry.	1MH
FILE NOT ON PF DEFAULT SET	Warning message issued to job dayfile only if file being cataloged is on a scratch set and not PF default set.	Message is not issued if file is requested with *PF, *Q, *SD, VSN, DT or AL.	1PD
FILE NOT ON PF DEVICE	Conditionally fatal user error (FDB return code = 011B). File does not reside entirely on mass-storage devices designated by installation for permanent files.	Use REQUEST to allocate the file to a permanent file device and retry.	1PD PFC
FILE NOT ON QUEUE DEVICE - ROUTE IGNORED	File does not reside on a queue device.	Correct problem and retry.	DSP
FILE ON DISMOUNTABLE DEVICE - ROUTING IGNORED	Neither ROUTE nor DISPOSE can be used with a file residing on a user device set or other dismountable device.	Correct problem and retry.	DSP
FILE ON UNAVAILABLE DEVICE	Fatal system software error. Part of the file being attached resides on a public device that is not presently on-line and logically mounted. File descriptor block return code=043B. Refer to the inside front cover for FDB return codes.	Ask the system analyst why the member of the public set is not online and logically mounted.	PFA
FILE READ IS NOT xxxx CONTROLWARE	The file read did not contain controlware for the controller type specified to BCPROC. xxxx 7021, 7054, 7154, or 7155	Rerun using file, containing appropriate controlware binary.	BCLOAD
FILE READ IS NOT O.S. CONTROLWARE	The file read did not contain controlware for an operating system.	Rerun using file containing appropriate controlware binary.	BCLOAD
FILE RELEASE COUNT BAD	System error; conditionally hung PP.	Notify system analyst.	1PC
FILE UNAVAILABLE	Conditionally fatal user error (FDB return code = 025B). Error code passed to 1PD by PFM routines. RT parameter in system macro call, but file not available for one of the following reasons: - Requesting job wants exclusive access or other jobs already have exclusive access. - Attached permanent file table is full. - Archived file is temporarily unavailable. - Permanent file utility routine is running.	Retry.	1PD
FILES RESIDE ON DEVICE	Nonfatal user error.	Purge all files on involved device.	DLM
FIN ERROR - function name COMPLETE FLAG NON-ZERO	Fatal user error. The user did not set the completion flag to zero in the table specified by the address in the RA+1 request indicated by function name.	Set the completion flag to zero and retry.	FIN
FIN ERROR - function name BAD PARAMETER ADDRESS	Fatal user error. In the RA+1 request on the macro indicated by function name, the user supplied an address less than zero or greater than the job field length.	Correct address and retry.	FIN
FIN ERROR - ENCSF CALLED WITHOUT RECALL	Fatal user error. User made an RA+1 request specifying ENCSF function, but did not set recall flag to one.	Set auto-recall flag to one in RA+1 request and retry.	FIN
FIN ERROR-FILINFO INVALID FILE NAME	Fatal user error. FIN found an illegal file name in the table at the address specified in a FILINFO macro or in an RA+1 request.	Ensure correct address and ensure correct file name in table at that address and retry.	FIN
FIN ERROR - FILINFO TABLE LENGTH LESS THAN 4	Fatal user error. In the table at the address specified in the FILINFO macro, the user requested a table length less than four.	Specify a table length of four or five and retry.	FIN
FIN ERROR - INVALID FUNCTION CODE	Fatal user error. User did not supply a legal function code on an RA+1 request. Function code must be a number from 1 to 5.	Correct function code and retry.	FIN
FIN - WAIT FILE NOT BUSY	Informative message. FILINFO function cannot end until file is not busy.	If message persists, notify system analyst.	FIN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FINDING CONFLICTS	Informative message.	Notify system analyst; files with record block conflicts can be purged and rebuilt.	RECOVER
FINDING DEVICE	Informative message.	No action required.	RECOVER
FINISH AND COMPLETE REQUIRED BEFORE ANOTHER READY	User error. A READY directive was encountered before a FINISH directive and a COMPLETE directive were encountered.	Either add FINISH and READY directives or position FINISH, COMPLETE, and READY correctly.	EDITLIB
FINISH DIRECTIVE NOT PROCESSED-EDITLIB WILL CONTINUE	Informative message.	No action required.	EDITLIB
FINISH REQUIRED BEFORE A READY	User error. A READY directive was encountered before a FINISH directive.	Either add a FINISH directive or position FINISH and READY correctly.	EDITLIB
FINISH REQUIRED BEFORE ANOTHER LIBRARY	User error. A FINISH directive must be processed before another library can be created.	Correct problem and retry.	EDITLIB
FIP - ACN acn NOT WITHIN RANGE.	A data transfer error has occurred. The system has halted the file transfer. acn Application connection number (octal).	Notify system analyst.	FIP
FIP - CIO ERROR xxB ON filename. DEVICE FULL.	MFLINK, FTFS, or PTFS has terminated file transfer because no space is available for filename. xx is the CIO error code described in the NOS/BE Reference Manual.	Retry the transfer after releasing files from the full device or using a different destination device.	FIP
FIP - CIO ERROR xxB on filename. ERROR ON FILE-OPEN.	MFLINK, FTFS, or PTFS has terminated file transfer because of an access error on filename. xx is the CIO error code described in the NOS/BE Reference Manual.	Retry the transfer. Notify system analyst if problem persists.	FIP
FIP - CIO ERROR xxB ON filename. PARITY ERROR.	MFLINK, FTFS, or PTFS has terminated file transfer because of a parity error on filename. xx is the CIO error code described in the NOS/BE Reference Manual.	Retry the transfer. Notify system analyst if problem persists.	FIP
FIP - CIO ERROR xxB ON filename. TAPE BLOCK SIZE ERROR.	MFLINK, FTFS, or PTFS has terminated file transfer because the tape file filename has the wrong format. xx is the CIO error code described in the NOS/BE Reference Manual.	Correct the tape request and retry.	FIP
FIP - CONNECTION BROKEN ON ACN acn.	The network connection has been broken unexpectedly. The system has halted the file transfer. acn Application connection number (octal).	Rerun your job. If the problem persists, notify system analyst.	FIP
FIP - CONVERT MODE N/A FOR filename	FIP timed out waiting for code conversion resources in the NAD to become available. filename The affected file.	Retry. If problem persists, notify system analyst.	FIP
FIP - DISABLE WARNING RECEIVED.	The system has halted the file transfer because the network is shutting down immediately.	Retry the file transfer after the network is reactivated.	FIP
FIP - GT 4 FILE TRANSFERS INITIATED.	The system is attempting too many file transfers simultaneously. The system has not initiated the file transfer you are requesting.	Notify system analyst.	FIP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FIP - NETOFF DURING FILE TRANSFER	An application issued a NETOFF request to RHF while a file transfer was in progress. The application is aborted.	Notify system analyst.	FIP
FIP - NETXFR ERROR, ALL TRANSFER TABLES IN USE.	NETXFR aborted the application after finding all internal tables in use.	Retry transfer. Notify system analyst if problem persists.	FIP
FIP - NETXFR ERROR, BAD ATTRIB. xxxx FOR COMMAND yy.	NETXFR aborted the application after finding a faulty internal attribute for a network command. xxxx Attribute value (hexadecimal). yy Command value (decimal).	Retry transfer. Notify system analyst if problem persists.	FIP
FIP - NETXFR ERROR, BAD INTERNAL TRANSFER STATE = xxB.	NETXFR detected an internal fault and aborted the application. xx Internal transfer state (octal).	Retry transfer. Notify system analyst if problem persists.	FIP
FIP - NETXFR ERROR, BAD PARAMETER DD = xxB.	NETXFR detected a faulty DD parameter in the application's NETXFR call and aborted the application. xx DD parameter value (octal).	Notify system analyst or correct application program.	FIP
FIP - filename ON INVALID DEVICE.	You have assigned file filename to an inaccessible device. The system has halted the file transfer. filename File being transferred.	Reassign file filename to an accessible device and rerun job. Notify system analyst if the problem persists.	FIP
FIP - OUTPUT BLOCK NOT DEL ON ACN acn.	The remote system did not receive the network message or data block before the time-out period elapsed. The system has halted the file transfer. acn Application connection number (octal).	Retry the file transfer. Notify system analyst if the problem persists.	FIP
FIP - PREMATURE TERMINATION RCVD ON acn.	The system detected an error during a file transfer and halted the file transfer. acn Application connection number (octal).	Retry file transfer. Notify system analyst if the problem persists.	FIP
FIP - RHF I/O ERROR xxB ON filename. reason.	NETXFR has terminated file transfer because of a fault when reading or writing file data to or from the network. filename The affected file. xx RHF I/O error code (octal). (The Remote Host Facility Access Method Reference Manual describes the error codes.) reason Abbreviated error description: BLOCK NOT 60-BIT MULTIPLE. BLOCK LENGTH MISMATCH. CONTROL WORD FORMAT ERROR. HOST ABN MISCOMPARE. INVALID PARTIAL BLOCK. LAST BLOCK TOO BIG. NETWORK ABN MISCOMPARE. RHF FET PARAMETER ERROR. UNKNOWN BLOCK ERROR.	Retry transfer. Notify system analyst if problem persists.	FIP
FIP - SECOND FILE XFR ON ACN acn.	NETXFR stopped the file transfer because connection acn is currently in use. acn Application connection number (decimal).	Retry transfer. Notify system analyst if problem persists.	FIP
FIP - SYSTEM ERROR. reason. status.	A system error (indicated by reason) has interrupted NETXFR, which is either attempting or abandoning recovery (indicated by status). Subsequent dayfile messages indicate whether the file transfer completed. reason CPU TIME LIMIT PP ABORT OPERATOR DROP M/S LIMIT I/O LIMIT status FIP REPRIEVING FIP REPRIEVES EXHAUSTED	Retry the file transfer after correcting the problem or notify system analyst.	FIP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FIP - TIMED OUT WAITING FOR NETWORK.	The network failed to respond before the time-out period elapsed. The system halted the file transfer.	Ensure that the network and remote system are active and retry the file transfer. Notify system analyst if the problem persists.	FIP
FIP - TRANSFER OF filename COMPLETE.	Self-explanatory. filename File being transferred.	None.	FIP
FIP - TRANSFER OF filename IN PROGRESS.	Self-explanatory. filename File being transferred.	None.	FIP
FIP - XFR COMPLETE, NO ERR, IDLEDOWN.	The network is shutting down but your file transfer completed successfully.	None.	FIP
FIP - XFR TERM WITH ERR, IDLEDOWN.	The network is shutting down and your file transfer ended unsuccessfully.	Retry the file transfer when the network becomes active.	FIP
FIRST CARD NOT NEW, OLD, OR DEBUG.	First input card to PASSWRD must be OLD, NEW, OR DEBUG.	Correct problem and retry.	PASSWRD
FIRST CHARACTER MUST BE ALPHABETIC IN A LIBRARY NAME	User error. Library name began with a numeric or special character.	Correct problem and retry.	EDITLIB
FIRST DMNT ALL MEMBERS	Informative message.	Dismount members before operator dismount of master.	DSM
FIRST LIBRARY IS NOT CM RESIDENT 1AJ CANT ACCESS	User error.	Make first library CM-resident.	EDITLIB
FL INCREASED BY 2000 WORDS TO ACCOMMODATE TABLES	Informative message.	No action required.	EDITLIB
FLAW IN SYSTEM AREA	Deadstart is stopped.	Redeadstart and turn off ECS.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FLAW LIMIT EXCEEDED, addr	The number of unrecovered read and write attempts to ECS has exceeded the flaw limit. addr is the last ECS address with an unrecovered access attempt.	Notify customer engineer. Perform level 0 or 1 deadstart.	ECSSUB
FLAW/RBT CONFLICT GO OR DROP	Nonfatal system error. Same RB appears in logical flaw table and in a local file RBT chain.	Notify system analyst. Type GO to proceed.	RECOVER
FLO VALUE CAN ONLY BE 0 OR 1. FLO VALUE WILL REMAIN UNCHANGED	Informative message. FLO is optional field length override parameter for ADD directive. Default is 0, meaning no override allowed.	To allow override, set FLO=1 on ADD directive. If override is not desired, no action is required.	EDITLIB
FLPPn FAILURE	Operator message. First level PPN has encountered a memory parity error or an error stop.	Notify customer engineer.	1SC
FLT ALLOCATION BAD	Informative message; physical flaw table is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
FLW ALLOCATION BAD	Informative message; logical flaw table is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
FLW RB CHAIN BAD	Fatal error. First RB of chain does not match RB number on which it is recorded.	Notify system analyst.	RECOVER
FLW RB COUNT BAD	Fatal system error. Length of chain different from expected length.	Notify system analyst.	RECOVER
FM AND TM ARE BOTH MASTERS	User error.	Correct problem and retry.	TRANSPF
FM=TM NOT ALLOWED	User error.	Correct problem and retry.	TRANSPF
FNT CALLED BY PROGRAM NOT ON SYSTEM LIBRARY	Fatal user error. Peripheral processor routine FNT must be called by a system origin job.	Stop attempting to perform an illegal function.	FNT
FNT CALLED FROM A NON INTERACTIVE CONTROL POINT	Fatal user error. Peripheral processor routine FNT cannot be called from a non-INTERACTIVE control point.	Run program interactively from a terminal.	FNT
FNT FULL	Output file cannot be created, because FNT is full. Loop will continue until empty entry is found.	Attempt to make FNT entries available by dumping queues, waiting for output files to print, or waiting for other jobs to terminate.	1EJ
FNT FULL - DROP OR RECHECK	Status from REQ.	Be sure space exists in FNT before typing j.RECHECK.	RESTART
FNT FULL - VERIFY IGNORED	FNT is full. Job terminated.	Retry.	VEJ
FNT LINK ADR ZERO (6PD) LFN lfn	Problem in system table. Flag was set indicating presence of a linked FNT supplement but no link address. lfn File name	Notify system analyst.	6PD
FNT NAME ERROR (1RC)	Probable system error.	Notify system analyst.	1RC
FNT PARAMETER OUT OF RANGE	User error in call to peripheral processor routine FNT.	Correct call to FNT and retry.	FNT
FNT PTR=0, REQ HUNG	System error.	Dump PP and low core and call a system analyst.	REQ
FO PARAMETER INVALID - IGNORED	Informative message. Value submitted is not one of the following display code values: IS, DA, AK.	Correct problem and retry.	PFC
FOLLOWING CONTROL CARD IN ERROR	Control statement contains format error. Following reasons apply: Could not match function name in list of permanent file functions processed by PFCCP. Permanent file manager function name not followed by blank, comma, or left parenthesis. Local file name not followed by comma or terminator. Keyword followed by other than equal sign.	Correct problem and retry.	PFCCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	Keyword which demands a numeric parameter has an alphabetic parameter. Control statement not properly terminated. Permanent file utility function name not followed by blank, comma, left parenthesis, or terminator. Illegal use of dollar sign. Comma or terminator does not follow delimited string.		
FOLLOWING ERROR NOTED AT WORD addr	While a permanent file or tape file was being staged, or while a dump was being received from the linked SCOPE 2 mainframe, an error was detected at word address addr within the file.	Take a dump of the field length of the spun off task and notify system analyst.	SOTMSG
FOLLOWING FILE HAS 0 LINK ADDRESS, ESSING UNCERTAIN lfn	Informative message.	No action required.	QUEDPROC
FORMAT ERR RC.recno,CD.cardno	Invalid CM word count on binary card number cardno in record number recno.	Correct binary card.	1IR
FORMAT ERROR	Illegal character typed. EST command is syntactically incorrect. An asterisk is displayed above bad parameter. Message appears at bottom of left screen.	Retry.	IRCP
FORMAT ERROR	Invalid keyboard entry.	Reenter directive.	BNP
FORMATS INCOMPATIBLE***COPY UNCERTAIN***	Tape formats selected for input/output files can cause a possible loss of data significance. Job continues.	No action required unless data is lost. In that case correct tape formats.	COPYCR COPYCF
FORMS CODE NOT ALPHANUMERIC - ROUTING IGNORED	Forms code must be two letters or digits.	Correct problem and retry.	DSP
FOURTH PARAMETER SHOULD BE B OR C	Control statement did not indicate binary or coded file.	Correct problem and retry.	SKIPF SKIPB
FR NOT FOUND	The *FR* argument was selected on the DAYFILE command, but was not found during the search.	Check phrase and correct. Rerun if necessary.	DAYFILE
FS MUST BE SPECIFIED	User error.	Correct problem and retry.	TRANSPF
FT ILLEGAL ON NON-844 DEVICE - HT MODE ASSUMED	Nonfatal user error. User specified FT recording mode on a device other than an 844 device.	Use HT recording mode.	RELABEL
FT OR HT ILLEGAL FOR THIS DEVICE TYPE	Operator specified FT or HT recording mode for a device other than an 844 device. System ignored FT or HT.	No action required.	IRCP
FT PARAMETER ILLEGAL	Fatal user error. User specified FT on MOUNT statement, but either drive has no 7154 controller access or system does not have 2XPPU speed in effect.	Use HT parameter or activate 2XPPU speed and retry.	MNT
FTFS - ACCOUNT STMT MUST BE FIRST CONTROL STMT.	The first user text directive in the user text file sent to FTFS must be a NOS/BE ACCOUNT control statement.	Add an ACCOUNT control statement to user text file and retry.	FTFS
FTFS - ACCOUNT STMT REQUIRED FOR CATALOG.	An ACCOUNT control statement must be specified before a CATALOG control statement.	Add ACCOUNT control statement to user text file and retry.	FTFS
FTFS - APPLICATION CONNECTION BROKEN	Connection is broken between local and remote applications. Request is automatically reattempted by the remote application unless the EP parameter was specified on the MFLINK command.	Notify system analyst if problem persists.	FTFS
FTFS - APPLICATION CONNECTION REJECTED	Attempt to connect with remote application is not allowed at the local end. Application automatically retries.	Notify the system operator.	FTFS
FTFS - APPLICATION CONNECTION TIMEOUT	The remote application did not respond within the time-out period allowed. The remote application automatically reattempts the request unless the EP parameter was specified on the MFLINK command.	Notify system analyst if problem persists.	FTFS
FTFS - APPLICATION DISABLED.	The FTFS application was disabled before the file transfer was completed.	Retry when FTFS has been enabled.	FTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FTFS - BAD LABEL - REQUEST.	FTFS encountered a bad LABEL or REQUEST user text directive.	See NOS/BE Reference Manual for valid syntax on REQUEST and LABEL control statements. Correct and retry.	FTFS
FTFS - BLOCK TOO LARGE	Error in protocol exchange with remote application.	Notify system analyst if problem persists. analyst.	FTFS
FTFS - CONTINUATION BLOCK DID NOT FOLLOW.	MFLINK sent FTFS a protocol block that specified the continuation parameter. FTFS then expects the next block from MFLINK to be the same type as the previous block. If the blocks are not the same type, FTFS gives this message.	Notify system analyst.	FTFS
FTFS - DIRECTIVE xxxxxxxxxx OF USER TEXT INVALID.	The MFLINK user specified a control statement that was not supported by FTFS. xxxxxxxxxx is the statement number, numbered sequentially, within the user text record.	See NOS/BE Reference Manual for supported directives and valid syntax of those directives. Correct and retry.	FTFS
FTFS - ERR/LGL RECEIVED FROM SUBSYSTEM	RHF detected an error in the protocol exchange with the application. The application aborts.	Retry. If problem persists notify system analyst.	FTFS
FTFS - FC/BRK RECEIVED RC=xx	The remote application received an erroneous command in a network protocol message. The local application aborts. xx Code indicating reason for abort	If problem persists notify system analyst.	FTFS
FTFS - FILE TRANSFER COMPLETE.	Informative message for MFLINK user.	None.	FTFS
FTFS - HOST NOT SPECIFIED TYPE.	MFLINK specified a host type that was not NOS/BE.	Correct MFLINK to use a correct host type or change the logical ID to go to another mainframe.	FTFS
FTFS - INVALID CONTROL STMT.	FTFS encountered a control statement not supported by FTFS.	Notify system analyst.	FTFS
FTFS - INVALID DATA DECLARATION TYPE.	A non-supported data declaration type was encountered.	See MFLINK control statement definition in the NOS/BE Reference Manual for valid data declaration types.	FTFS
FTFS - INVALID DEVICE TYPE.	The user attempted to transfer a file to or from a device that is not supported by FIP.	See MFLINK description in the NOS/BE Reference Manual for valid device types.	FTFS
FTFS - INVALID FTFS STATE.	FTFS was re-entered with an invalid internal state.	Notify system analyst.	FTFS
FTFS - INVALID PARAMETER xx FOR yy	The remote application sent a network protocol message with an invalid parameter. The local application ignores the parameter. xx Parameter number yy Command number	Notify system analyst if problem recurs.	FTFS
FTFS - INVALID SUPERVISORY MESSAGE	The application did not recognize the supervisory message sent by RHF. FTFS aborts.	Notify system analyst.	FTFS
FTFS - LFN OF XFR FILE IS INVALID.	The local file name of the transfer file is not a valid NOS/BE file name. The ATTACH, CATALOG, MFGIVE, and MFTAKE directives specify a transfer file.	See NOS/BE Reference Manual for definition of valid NOS/BE LFN. Correct and retry.	FTFS
FTFS - MFGIVE/MFTAKE ALLOW ONLY LFN PARAMETER.	The only parameter allowed on a MFGIVE or a MFTAKE control statement is a file name.	Correct user text and retry.	FTFS
FTFS - MFGIVE/MFTAKE REQUIRE LFN PARAMETER.	A file name must be specified as the first and only parameter on MFGIVE or MFTAKE statements.	Correct user text and retry.	FTFS
FTFS - MULTIPLE FILE TRANSFERS REQUESTED.	FTFS will only allow one file transfer per MFLINK user text record.	See MFLINK description in the NOS/BE Reference Manual for control statements that cause a file transfer. Correct and retry.	FTFS
FTFS - NETON REJECT = rc	A system or network error occurred. rc is a reason code returned by NETON. Refer to the RHF Access Method Reference Manual for NETON reason codes.	If problem persists, inform site analyst.	FTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FTFS - NETWORK SHUTDOWN	An immediate local network shutdown is in progress. The application cannot send or receive blocks on any existing connection, and no additional connections can be established.	None.	FTFS
FTFS - NETXFR ERROR rc - rejmess	An error occurred during file transfer. rc reason code rejmess reject message rc rejmess	If problem persists, inform site analyst.	FTFS
	02 SYSTEM ERROR 03 CONNECTION BROKEN 04 PROTOCOL ERROR 05 TIMEOUT EXPIRED 06 BLOCK NOT SENT 07 TOO MANY TRANSFERS 08 ACN OUT-OF-RANGE 09 CIO ERROR 13 IDLEDOWN ERROR 14 SHUTDOWN 15 RHF I/O ERROR 16 INCORRECT DEVICE 17 CODE CONV N/A. (not avail) 18 CONTROL WORD ERROR 19 INCORRECT DEVICE 20 EMPTY FILE 21 NAM INTERFACE ERR 22 BLK NUM MISCOMPARE 23 INCORRECT BLK SIZE 25 BLOCK SEQUENCE ERR 26 PRU BOUNDS ERROR 27 INTRA-HOST PRU XFR 28 ERROR DURING XFR 29 ABL OUT OF RANGE 30 APPL NOT VALIDATED 31 FILE TYPE ERROR 32 JOB ORIGIN ERROR		
FTFS - PROTOCOL ERROR IN xx	The remote application sent an incorrect command in the network protocol message. The local application aborts. xx Command number	Notify system analyst.	FTFS
FTFS - TAPE ASSIGNMENT ERROR.	RHF encountered an error when attempting to grant the user a tape request assignment.	See NOS/BE Reference Manual for tape assignment limits. Correct and retry.	FTFS
FULL DUMP	Informative message.	No action required.	DUMPF
FULL PERMANENT FILE DUMP	Informative message.	No action required.	DUMPF
FUNCTION ATTEMPT ON NONLOCAL FILE	User error (FDB return code = 020B).	Correct program and retry.	1PD
FUNCTION ATTEMPT ON NONPERMANENT FILE	User error (FDB return code = 017B).	Correct program and retry.	PFM 1PD
FUNCTION ILLEGAL ON MULTI-FILE SET	Fatal user error.	Correct problem and retry.	6WM
FUNCTION RESORT	Fatal hardware error.	Deadstart again. Notify customer engineer if message reappears.	CONTROL
FUTURE RMS D/S NOT POSSIBLE	Informative message indicating that subsequent deadstarts must be done from tape. This message appears only after a level 0 deadstart.	Enter ACK. to continue with this deadstart. To deadstart from an RMS device, CTI must be installed and/or there must be enough room on the system device.	TDS
FWA-LWA ERROR	Fatal error. READIN or WRITOUT macro is executing; workspace (sixth word of FET) nonexistent or FET is less than 6 words.	Notify system analyst.	IO COMPARE
GCR CAPABILITY NOT ALLOWED	Tape unit is not 679.	Correct EST entry and retry.	IRCP
GENDJ BOMB x...x	Fatal system software error. x...x indicates the cause of the failure.	Notify system analyst.	GENDJ
GENLDPF ABORT	Informative message.	Refer to accompanying messages.	GENLDPF
GENLDPF COMPLETE	Informative message.	No action required.	GENLDPF
GENLDPF - INVALID MESSAGE CODE	Fatal software error.	Notify system analyst.	GENLDPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
GENLDPF - LPF EXIT CODE ec, FILE SKIPPED	Informative message. The archived header of a file on LOGTAPE was not cataloged. Error code ec indicates the reason. ec Significance 1 Archived header already in system 2 Password conflict 3 File already in system 5 No room for extra cycle 6 PFD full	Consult GENLDPF output listing for name of file skipped.	GENLDPF
*GENLDPF - LPF/1FC ERR CODE ecB, * FILE SKIPPED	The archived header of a file on LOGTAPE was not cataloged due to a system error. ec FDB return code (refer to the inside front cover.)	Consult GENLDPF output listing for name of file skipped.	GENLDPF
GENLDPF - WAITING FOR FNT SPACE	Informative message.	No action required.	GENLDPF
GO/DROP TO WRITE BLANK LABEL	Informative message.	Enter n.GO to write blank label. Otherwise, enter n.DROP.	LBL
GOOD COMPARE	Informative message.	No action required.	COMPARE
GOOD MORNING	Informative message. Displayed by 1GM at the start of a new day.	No action required.	1GM
HARDWARE - DENSITY CHANGE DURING IO	Fatal error. Hardware density after a read or write operation does not match hardware density prior to operation.	If message reappears notify customer engineer.	6WM
HARDWARE - NO END OF OP	End of operation is not returned to the PP by hardware.	Notify customer engineer if message reappears.	6WM
HARDWARE - UNIT HUNG BUSY	A tape unit returned a constant busy status for 10 seconds.	Notify customer engineer if message reappears.	6WM
HARDWARE - 668x MALFUNCTION	The 6681 or 6684 did not respond to a function within 1 second.	Notify customer engineer if message reappears.	6WM
HARDWARE - 6681 FAILED NO DATA ON IAN	When an attempt was made to input 6681 or 6684 status or equipment status, no data was received. Channel was inactive.	Notify customer engineer if message reappears.	6WM
jobname HAS RB CONFLICTS	Crossed record blocks were detected when queue was reconstructed from permanent file catalog entry.	Record jobname and type ACK. After deadstart is completed, DMPQ queue files.	1QF
HAS 0 LINK ADDRESS. PROCESSING UNCERTAIN	Linked FNT entry has zero link address.	Notify user that the job may need to be resubmitted.	XDQ
HDR1 LABEL MISSING	The tape staging spun off task did not find the HDR1 label record in the standard label header records received from SCOPE 2 for a labeled tape.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
HDR1 NOT IN XL BUFFER - CANNOT POSITION MF	Fatal user error.	Correct problem and retry.	3IM
HDS STATUS OUT OF RANGE - HDS	System software error; bad MTR request.	Notify system analyst.	HDS
HID DOES NOT MATCH SYSTEM RE-ASSEMBLE GEMINI FOR CONFIGURATION	The system identifier in IDT does not match GEMINI installation parameters.	Correct IDT or GEMINI and retry.	GEMINI
HOLL. CHECK RC.recno,CD.cardno	An invalid punch combination was found in a Hollerith card. The card is number cardno in record recno.	User should repunch the card specified.	1IR
HT MODE ASSUMED	Informative message. User specified an FT parameter on LABELMS control statement, which is illegal. Operator assumed an HT recording mode and a half-track label was written.	No action required.	LABELMS
I/O ERR ec FET addr LFN lfn	Error returned from CIO. Error code ec, FET location, addr, and file name lfn are specified in message.	Notify system analyst.	EDITLIB
I/O ERROR	Job aborted. Hardware problems.	Repeat job and notify customer engineer.	RELABEL MNT
I/O ERROR (CKP)	Error returned from either REQ or CIO.	Notify system analyst.	CKP
I/O ERROR DEVICE REJECT	Device error. Inhibits deadstart.	Notify customer engineer.	IRCP
I/O ERROR DURING COMBINE	Dayfile will have appropriate information from drivers.	Refer to dayfile.	COMBINE

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
I/O ERROR - OUX	The job aborts because of hardware problems.	Retry job. Notify customer engineer if message persists.	OUX
I/O ERROR PARITY ERROR OR LOST DATA	Device error. Inhibits deadstart.	Notify customer engineer.	IRCP
I/O ERROR RMS DRIVER OVERLAY NOT FOUND	System or configuration error. Inhibits deadstart.	Notify system analyst.	IRCP
I/O ERROR (1RC)	Error returned from either REQ or C10.	Notify system analyst.	1RC
IAP ASKED TO PASS ILLEGAL COMMAND	User error. Informative message.	Remove illegal command.	IAP
IAP BUFFER OUT OF RANGE	User error. Invalid call to peripheral processor routine IAP.	Correct error and retry.	IAP
IAP CALLED BY PROGRAM NOT ON SYSTEM LIBRARY.	User's program issued an IAP call that required system privileges. The user's program however was not a system origin job.	Correct IAP call and retry.	IAP
IAP CALLED FROM NON INTERCOM CONTROL POINT	User attempted to issue an INTERCOM READ command from a non-INTERCOM control point.	Run program interactively from a terminal.	IAP
IAP PARAMETER OUT OF RANGE	User error. Invalid call to peripheral processor routine IAP.	Correct error and retry.	IAP
IAP UT CONTROL STATEMENT ADDRESS ZERO	System error. Informative message.	Retry.	IAP
ID=ida TYPE N.CFO Y OR NEW ID	The deadstart spun-off task is displaying the identifier ida of the permanent file which is to be used for SCOPE 2 deadstart.	Type n.CFO Y to use ID ida or n.CFO idb to use ID idb. n is the control point number of the deadstart spun-off task.	SOTDS
ID NAME NOT IN INPUT FILES SEARCHED	COPYN routine cannot locate either P1 or P2.	Correct problem and retry.	COPYN
ID-PFN PAIR ALREADY EXISTS, IGNORED	Informative message. All file information changes will be made except owner-ID and permanent file name changes.	No action required.	PFR
ILL DUMP TYPE	Fatal user error. The DP parameter is not equal to A, C, or X.	Check DP parameter.	DUMPF
ILL-FORMED MULTIFILE SET	User error. Multifile set tape is not created in standard ANSI format. Tape labels nonexistent or improperly formatted.	Correct problem and retry.	6NM
ILLEGAL ACE FUNCTION	Only read and backspace function legal.	Correct problem and retry.	ACE
ILLEGAL CALL FROM LABELMS	Fatal system error. Bad LABELMS-LBL communication.	Correct problem and retry.	LBL
ILLEGAL CALL TO DMNT/RMNT	DMNT or RMNT was called by control statement or INTERCOM job, but must be typed in by operator.	Correct problem and retry.	DSM
ILLEGAL CALL TO DUMP QUEUE	DMPQ was called by control statement but must be typed in at console.	Correct problem and retry.	XDQ
ILLEGAL CALL TO LBL	Fatal user error LBL called by routine other than LABELMS or RELABEL.	Correct problem and retry.	LBL
ILLEGAL CHARACTER IN ARGUMENT IS DISCARDED	Nonfatal user error. A nonliteral statement parameter contains a special character. Parameter is processed after illegal character is discarded.	Check statement parameters for errors. Remove illegal character or replace with a valid character.	COMQUAG
ILLEGAL CODE	An illegal LDL code has been used in parameter word.	Correct problem and retry.	LDL
ILLEGAL CY1 CALL (CY1/RESTART)	Bad flag in CALL to CY1 from RESTART.	Notify system analyst.	CY1
ILLEGAL DATA FORMAT - SYSTEM ERROR	Informative message. X tape format specified by user.	No action required.	1TF
ILLEGAL DELIMETER FOLLOWING x..x - REPLACE x..x WITH x...x OR x...x	Illegal delimiter encountered in EDITLIB directives.	Correct problem and retry.	EDITLIB
ILLEGAL DELIMITER	Illegal delimiter encountered in VSN control statement. Delimiter in error is indicated immediately following this message.	Correct problem and retry.	VSN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ILLEGAL DEVICE	First file was assigned to device that cannot be read, or second file to device that cannot be written.	Correct problem and retry.	COPYCR COPYCF COPYBR COPYBF
ILLEGAL DEVICE FOR FILE lfn	Informative message. lfn File name	Correct problem and retry.	COPYN
ILLEGAL DEVICE TYPE	Fatal user error. SAVEPF file must reside on a RMS device.	Correct problem and retry.	SPF
ILLEGAL DEVICE TYPE IN REQUEST	Device type in REQ parameter list is not valid; job terminated.	Correct problem and retry.	REQ
ILLEGAL DIAG SEQ PARAMETER	Parameter not recognized by APR.	Correct problem and retry.	APR
ILLEGAL/DUPLICATE KEYWORD	Fatal user or operator error.	Correct call to RECOVER and retry.	RECOVER
ILLEGAL EQUIPMENT REQUEST	Illegal equipment parameters passed from operator type-in. MT, CP, or LP needed on dayfile dump.	Correct problem and retry.	1DF
ILLEGAL EQUIVALENC	Fatal user error. Equals sign (=) follows a parameter that does not permit its use.	Correct problem and retry.	PFCCP
ILLEGAL EST	Fatal user error. EST ordinal is nonnumeric or greater than 777B.	Correct EST ordinal in control statement.	PFCCP
ILLEGAL EST ORDINAL	Fatal user error.	Notify system analyst.	DMNT
ILLEGAL FILE NAME	Fatal error, code 22. File name has embedded blanks, does not begin with letter, or exceeds 7 characters. Called by CIO.	Correct problem and retry.	6WM
ILLEGAL FILE NAME	Fatal system software error.	Notify system analyst.	PFD
ILLEGAL FILE NAME - lfn	Fatal user error. In LDCMR control statement, file name does not begin with an alphabetic character, is not alphanumeric, or is greater than 7 characters. lfn File name	Check file name for errors and specify a valid file name.	LDCMR
ILLEGAL FILE NAME IN REQ CALL	lfn File name. Fatal error. File name in REQ parameter list is not a legal file name.	Check file name for errors and specify a valid file name.	REQ
ILLEGAL FROM LABELMS	Fatal system error. Illegal communication between LABELMS and LBL.	Notify system analyst.	LBL
ILLEGAL FUNCTION CODE	User error. The CIO code is not defined.	Correct problem and retry.	6WM
ILLEGAL FUNCTION CODE - OUX	Fatal error. A system program passed a bad function code.	Notify system analyst.	OUX
ILLEGAL FUNCTION CODE (SSH)	Fatal error. A system program passed a bad function code to SSH.	Notify system analyst.	SSH
ILLEGAL FUNCTION TO HDS	System software error; bad MTR request.	Notify system analyst.	HDS
ILLEGAL I/O REQUEST FET FILE NAME lfn FET ADDRESS addr message	The fourth line of the message further describes the error and is documented as a separate entry in this manual. lfn File name addr FET address message Error description	Refer to the documentation of the fourth line of the message.	6WM CIO
ILLEGAL INPUT DEVICE	Device specified cannot be used for input.	Correct problem and retry.	COPYBF COPYBR COPYCF COPYCR
ILLEGAL JOB NAME	Illegal job name on TRANSR.	Correct job name and retry.	JDP
ILLEGAL KEYWORD	Keyword greater than 2 characters; keyword not found in list of legal keywords; null keyword.	Correct problem and retry.	PFCCP
ILLEGAL KEYWORD	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
ILLEGAL KEYWORD ARGUMENT	Fatal user or operator error.	Correct call to RECOVER and retry.	RECOVER
ILLEGAL LEVEL NUMBER	Informative message.	Correct problem and retry.	SKIPB SKIPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ILLEGAL LFN	Conditionally fatal user error (FDB return code = 027B). Logical file name does not start with letter. PFA passed error code to 1PD or issued directly by SPF.	Correct problem and retry.	1PD SPF
ILLEGAL LFN	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
ILLEGAL LFN=1fn	The illegal logical file name lfn follows the equal sign and indicates either an invalid character is included in the 1fn, or that OUTPUT was specified as an 1fn.	Correct problem and retry.	VSN
ILLEGAL MST ORDINAL-HDS	System software error; bad MTR request.	Notify system analyst.	HDS
ILLEGAL MULTIFILE NAME	User error.	Correct problem and retry.	6WM
ILLEGAL MULTIFILE NAME ØLISTMF&	User error. Multifile name must be less than seven characters.	Correct problem and retry.	LISTMF
ILLEGAL NUMBER OF RECORDS	Number of records parameter is not a valid decimal digit.	Correct problem and retry.	SKIPB SKIPF
ILLEGAL OP MSG CODE (SSH)	Fatal error. A system program passed a bad operator message code to SSH.	Notify system analyst.	SSH
ILLEGAL OUTPUT DEVICE	Device specified cannot be used for output.	Correct problem and retry.	COPYBF COPYBR COPYCF COPYCR
ILLEGAL PARAMETER FOR COMBINE	Record count nonnumeric or illegal file name.	Correct problem and retry.	COMBINE
ILLEGAL PARAMETER IN CONTROL CARD	Fatal user error.	Correct parameters and retry.	PFDUMP
ILLEGAL PARAMETER OR BAD VALUE param	param is a parameter on a FLAW statement. Refers to FLAW and FREE type-ins and to assembled CMR flaws.	Enter one of the options listed on the left screen.	IRCP
ILLEGAL PARAMETER TO DMPQ/RESQ	Fatal error.	Retry.	QUEDUMP
ILLEGAL PARAMETERS(LISTMF)	Unrecognizable parameter on LISTMF statement. Job terminated.	Check parameters for errors and correct.	LISTMF
ILLEGAL PASSWORD	Fatal user error.	Correct problem and retry.	PFLOG
ILLEGAL POSITION NUMBER(LABEL)	Fatal user error. Position number on LABEL statement beyond legitimate range.	Specify a valid position number.	LABEL
ILLEGAL POSITION NUMBER(LISTMF)	Fatal user error. Invalid position number on LISTMF statement.	Specify a valid position number.	LISTMF
ILLEGAL REQUEST FUNCTION(RESTART)	Fatal user error. Error occurred when RESTART attempted to request tape.	Notify system analyst.	RESTART
ILLEGAL REQUEST PARAMETER	System has detected an illegal parameter. Request is aborted.	Correct specified parameter in control statement and retry.	REQUEST
ILLEGAL REQUEST PARAMETER PK	Fatal user error. PK is no longer a legal REQUEST parameter.	Remove PK parameter.	REQ
ILLEGAL RESTART PARAMETER	Checkpoint file name should but does not begin with alphabetic character or duplicate parameters.	Correct problem and retry.	RESTART
ILLEGAL SCP FILE NAME	SF.INUF or SF.RTUF function has specified a illegal file name.	Correct problem and retry.	SSF
ILLEGAL SEPARATOR OR TERMINATOR OR PARM TOO LARGE	Refers to FLAW and FREE type-ins and to assembled CMR flaws.	Enter one of the options listed on the left screen.	IRCP
ILLEGAL SET NAME	Conditionally fatal user error (FDB return code=040B). Set name should but does not start with letter. Error code passed to 1PD by LPF,PFA.	Correct problem and retry.	1PD
ILLEGAL SETNAME	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
ILLEGAL ST PARAMETER	Fatal user error.	Correct station ID and retry.	1PG GPF SPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ILLEGAL SYSTEM CALL	Fatal operator error.	Do not use MMF purge from DIS or N.X.	1PG GPF SPF 1ST
ILLEGAL TAPE REQUEST(LABEL)	Local file at this control point is not magnetic tape file. Job terminated.	Correct problem and retry.	LABEL
ILLEGAL UP=PARAMETER	Fatal user error. Universal permission is restricted to C, E, M, R, and their combinations.	Correct problem and retry.	PFCCP
ILLEGAL VSN	Fatal user error. The VSN of a device set must be letters and digits.	Correct problem and retry.	DMNT
ILLEGAL VSN=vsn	Illegal volume serial number vsn follows the equal sign. Either it contains an invalid character or it exceeds six characters.	Correct problem and retry.	VSN
ILLEGAL VSN PARAMETER	Fatal user error.	Correct problem and retry.	GENLDPF
ILLEGAL VSN SPECIFIED**	Fatal user error.	Correct problem and retry.	TRANSPF
ILLEGAL 1ST PARAMETER	First parameter is nonnumeric.	Correct problem and retry.	TLOAD
ILLEGAL 2ND PARAMETER	Second parameter is nonnumeric.	Correct problem and retry.	TLOAD
IMMEDIATE ROUTING-NO FILE-IGNORED	A file may be given a deferred routing before it is created. A file that does not exist cannot be given an immediate routing.	Correct problem and retry.	DSP
INADEQUATE MEMORY SIZE RECOVERY ABORTED	Operator message. Memory size has decreased to the point that not enough space is available to recover system.	Reeadstart when more memory is available.	IRCP
INCLUDE MAY NOT APPEAR BETWEEN A LIBRARY AND FINISH	Informative message.	Correct problem and retry.	EDITLIB
INCLUDEP INVALID IF PPNT IS NOT EMPTY	Peripheral processor name table must be empty if INCLUDEP is to be used.	Correct problem and retry.	EDITLIB
INCOMPLETE CY EXISTS - NO PFN, ID, PW CHANGES MADE	A RENAME is not allowed if cycle referenced has incomplete permanent file table information.	Correct problem and retry.	PFR
INCOMPLETE CYCLE, CANNOT EXTEND/ALTER	Fatal system software error (FDB return code = 74B). The file that was to be extended or altered has incomplete permanent file table information.	Replace the incomplete file by PURGE and CATALOG or LOADPF.	1PD
INCOMPLETE DUMP	A CM header specified an address range for which the following record on the dynamic dump file did not contain sufficient words.	Correct control statement and retry.	LISTCID
INCORRECT ACCESS TO SYSTEM DAYFILE	The job is not system origin, and DFD or AFD was entered.	No action required.	DAYFILE
INCORRECT DAM/RBR READ-DSM	Fatal system error.	Notify system analyst.	DSM
INCORRECT DEADSTART LEVEL SPECIFIED. REEADSTART USING A CORRECT LEVEL	A deadstart level other than 0, 1, 2, or 3 was selected.	Check the deadstart panel, or enter a valid level in the CIP displays.	CONTROL
INCORRECT DUMP TAPE MOUNTED OR BAD TAPE REQUEST	Fatal user error. Tape request should be external to LOADPF specifying an S tape to be read under the local file name DUMTAPE.	Correct problem and retry.	LOADPF
INCORRECT LOGTAPE MOUNTED	Fatal user error.	Correct problem and retry.	GENLDPF
INCORRECT PAGE SIZE FORMAT	The value associated with the PL argument is not numeric.	Correct problem and retry.	DAYFILE
INCORRECT PASSWORD SPECIFIED	Fatal user error.	Correct password and retry.	DUMPF LOADPF TRANSPF
INCORRECT PERMISSION	Fatal user error. (FDB return code=071B.) Error code passed to 1PD by PFM routines. Control permission not granted for PURGE, addition of a new cycle, or attach of incomplete cycle. Extend permission not granted for EXTEND, ALTER, or SETP. Modify permission needed for ALTER function. File attached with no permission.	Correct problem and retry.	1PD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
INCORRECT PRINT DENSITY	PD was not 3, 4, 6, or 8.	Correct problem and retry.	DAYFILE
INCORRECT PRINT DENSITY FORMAT	The value associated with the PD argument is not numeric.	Correct problem and retry.	DAYFILE
INCORRECT RECORDING MODE SPECIFIED FOR MASTER-OPPOSITE MODE USED	Nonfatal user error. Recording mode on device label and recording mode parameter differ. Mode on device label is assumed.	No action required. To correct error, change recording mode parameter to match device label.	RELABEL
INCREASE FL AND RERUN JOB	Fatal error. Issued when valid run can be obtained by increasing field length of job.	Perform instructions given in message.	EDITLIB
INCREASE LBUF IN LDCMR	System software error. Size of LBUF (buffer for loader input file) has been exceeded. Usually encountered by a system analyst building a system.	Reassemble LDCMR, increasing value of LBUF.	LDCMR
INCREASE LWSA IN LDCMR	System software error. Length of largest segment, defined by LWSA buffer, has been exceeded. Usually encountered by a system analyst building a system.	Reassemble LDCMR, increasing value of LWSA.	LDCMR
INDEX ADDRESS NOT IN FL	Fatal error, code 22. All or part of specified index buffer is not within control point field length.	Correct problem and retry.	6WM
INDEX BUFFER NOT SPECIFIED IN FET	Nonfatal error. Index buffer not specified on close of random file. No index is written.	If an index buffer is to be used, specify in file environment table an address for it.	1CL
INDEX BUFFER TOO SMALL	Return dependent on EP bit setting. Error code 23. Specified index buffer is too small to contain the index logical record. First part of record was read.	Correct problem and retry.	6WM
INDEX ERR	Index area for a random FET is less than 6 words long or is beyond field length.	Correct problem and retry.	LDL
INIT NOT IN SEGMENT TABLE	Fatal user error. Segment INIT must appear in CMRDIR.	Add segment INIT to CMRDIR.	LDCMR
INITIAL CATALOG	Informative message.	No action required.	PFC
INPUT AND OUTPUT TAPES NOT BOTH S FORMAT	REQUEST statement for both input and output tapes must specify S format. Job terminated.	Correct problem and retry.	COPYXS
INPUT EXHAUSTED BEFORE FINDING A FINISH DIRECTIVE	Informative message.	Ensure EDITLIB directive record is complete and retry.	EDITLIB
INPUT EXHAUSTED BEFORE FINDING AN ENDRUN DIRECTIVE-ONE GENERATED	Informative message.	No action required.	EDITLIB
INPUT LOGICAL RECORD GT 512 WORDS FOR S TAPE OUTPUT	Informative message.	Correct problem and retry.	COPYBF COPYBR COPYCF COPYCR
INSUFFICIENT DATA IN INPUT PARAMETERS	Fatal system communication error.	Notify system analyst.	MNT
INSUFFICIENT DOT SPACE	The addition of an RMS device caused the number of RBR entries to exceed the available DOT entries.	Delete unneeded RMS EST entries and try again.	IRCP
INSUFFICIENT FIELD LENGTH	Minimum field length required is 12000B. Job terminated.	Correct problem and retry.	COPYXS
INSUFFICIENT FIELD LENGTH	Program call initiated load of absolute program or O,O overlay, but insufficient field length caused job termination.	Correct problem and retry.	1AJ
INSUFFICIENT FL. (nnnnnn USED)	Fatal user error. nnnnnn is not sufficient field length to run LDCMR.	Increase field length.	LDCMR
INSUFFICIENT MEMORY PROVIDED	Fatal user error.	Provide more memory for RECOVER execution. Rerun with more field length.	RECOVER
INSUFFICIENT RBR SPACE	Not enough CM space to build RBRs for each RMS device.	Delete some RMS devices from configuration.	IRCP
lfn.\$ INT dev TID= id ee/ppp/sss nnnnnnnn	This message indicates the interruption of an INTERCOM 5 remote batch stream. lfn File name on READ-FN if READ,lfn command was used. dev Device mnemonic and ordinal. id Terminal id of the terminal processing the file.	No action required.	1NP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	ee EST ordinal of the 2550 to which the terminal is connected.		
	ppp Port ordinal of the terminal.		
	sss Terminal site address.		
	nnnnnnnn Count of cards read or punched, or lines printed (decimal).		
INTER PPS PARITY ERROR(p)	Parity error on data to PP p. p PP number	Notify customer engineer.	1SC
INTERCOM IS NOT UP	Informative message. INTERCOM restart was requested, but INTERCOM was not up. INTERCOM must be up for restart. Only central site operator can restart INTERCOM.	No action required.	INTRST
INTERCOM RESTART INITIATED	Informative message.	No action required.	INTRST
INTERCOM/RMF BUFFERS CANNOT ALL BE RECOVERED TYPE GO TO CONTINUE	Deadstart has not been able to save all INTERCOM or RMF jobs; some files are lost. Appears during recovery.	Type GO to continue deadstart.	COM
INTERCOM/RMF PASSWORD FILE BAD - ENTER GO TO PURGE OLD FILE.	Problems exist with old INTERCOM password file.	Notify system analyst or enter n.GO.	PASSWRD
INTERCOM/RMF RESTART	INTERCOM or RMF error recovery initiated. Message appears with submessages. DROPPING - Old version of INTERCOM/RMF is shutting down. INITIATE - New version of INTERCOM/RMF is attempting to come up.	Acknowledge the message by typing ACK. Type LISTCID to list the INTERCOM restart dumps. Also evict file ZZZZDD by entering EVICT, ord. where ord is the F display ordinal of the file ZZZZDD.	1BR
INTERLOCK BROKEN	Operator message; hardware error.	If message persists for 10 seconds, drop job and run RECOVER on set.	DLM
INTERLOCK PROBLEM - OUX	Fatal system software error.	Notify system analyst.	OUX
INTERNAL LIBRARY TABLES ARE UNUSABLE	Fatal error.	Retry. If problem persists notify system analyst.	EDITLIB
INTERVAL CANNOT BE SATISFIED-PP PROGRAM LIBRARY IS FULL	Informative message.	Increase field length and rerun job. If error occurs again, increase program parameter MACLPNT and install new version of EDITLIB.	EDITLIB
INTERVAL CANNOT BE SATISFIED-UNABLE TO LOCATE LAST PGM	Informative message.	Correct problem and retry.	EDITLIB
INTERVAL CANNOT BE SATISFIED-UNABLE TO LOCATE FIRST PGM	Informative message.	Correct problem and retry.	EDITLIB
INTERVAL IMPROPERLY FORMED prog PRECEDES prog	Informative message. prog Program name	Correct problem and retry.	EDITLIB
INTERVAL IS A * AND NO RECORDS WERE FOUND.	Fatal error.	Ensure that proper file name was specified and that file is not empty. Retry.	EDITLIB
INTRAN - BEGINNING INTERCOM/RMF ANALYSIS	Informative message. DSDUMP is analyzing INTERCOM or RMF.	No action required.	DSDUMP
INTRAN - END INTERCOM/RMF ANALYSIS	INTERCOM or RMF analysis has concluded.	No action required.	DSDUMP
INTRST MUST BE BROUGHT UP BY CENTRAL OPERATOR	Informative message. Only central site operator can restart INTERCOM.	No action required.	INTRST
INVALID CHARACTER IN PARAM	Fatal system error. set name or vsn contains a character not alphanumeric for internal (nonuser) generated mount.	System analyst should check parameters in PP dump; trace MNT caller.	MNT
INVALID CHECKLIST PROC HEADER	A parameter checklist in the procedure header has a syntax error.	Correct checklist and retry.	CCL
INVALID CHECKPOINT FILE RECOVERY ABORTED	Operator message. No checkpoint file was cataloged or checkpoint was incomplete.	Perform a Level 0 or 1 deadstart.	IRCP
INVALID COMBINATION OF PARAMETERS	Parameter list of REQUEST is inconsistent. Request is aborted.	Correct problem and retry.	REQ
INVALID CONTINUATION CARD (LABEL)	CONTINUE control statement not found. Job terminated.	Correct problem and retry.	LABEL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
INVALID CONTROL WORD OR FWA (RA+100)	Fatal user error. Overlay header was incorrectly formatted. Either load address was not 100B or an entry point is not present.	Regenerate overlay, making sure that load address is 100B and that all entry points are specified.	MSG
INVALID CYCLE NUMBER IGNORED	Cycle number specified was either 0 or greater than 999; no number change will be made.	Correct the cycle number and retry.	PFR PFC
INVALID DAM ORDINAL SN setname RECOVERY NOT POSSIBLE	Deadstart has found an invalid number while scanning permanent file catalog.	Perform a level 0 or 1 deadstart.	IRCP
INVALID DIRECTIVE	A directive occurs out of sequence or the directive name is in error.	Ensure that the directives are in the proper sequence and that the directive names are correct and retry.	BINEDIT
INVALID DISPOSITION CODE-ROUTING IGNORED	Nonfatal user error. Code specified by DC parameter is not legal. ROUTE statement is ignored; job is not aborted.	Correct problem and retry.	DSP
INVALID DUMPLCC PARAMETER	Informative message.	Correct and retype n.X DUMPLCC command.	LCD
INVALID DUMPNU PARAMETER	Informative message.	Correct problem and retry DSD n.X DUMPNU entry.	LCD
INVALID EST ENTRY	Invalid EST ordinal specified by operator assignment, or EST entry is bad in EST.	Correct problem and retry.	REQ
INVALID EST ORDINAL IN URT TABLE RECOVERY ABORTED	Deadstart recovery message. No EST entry was found for existing URT entry.	Perform a level 0 or 1 deadstart.	IRCP
INVALID FID - ROUTING IGNORED	Invalid file identifier specified.	Correct problem and retry.	DSP
INVALID FLPP CHANNEL NO. - 819	Only channels 2, 4, and 6 are valid for an 819 device.	Correct problem and retry.	IRCP
INVALID FUNCTION	Fatal system error. Calling program passed in illegal function code.	Notify system analyst.	TAT TMT
INVALID LFN - DSP	Logical file name contains an illegal character.	Correct problems and retry.	DSP
INVALID LINK TYPE - ROUTING IGNORED (DSP)	System error.	Notify system analyst.	DSP
INVALID MASTER VSN	Fatal user error. VSN in set FNT is not equal to VSN specified for MP parameter.	Specify correct VSN for MP parameter.	DLM
INVALID NAME ON LIBRARY CARD.	The name specified in the LIBRARY control statement is not a valid logical file name.	Ensure correct name and retry.	LDRCNTL
INVALID PARAMETER xxxx	The BINEDIT control statement contains a parameter with an incorrect format or an incorrect name.	Ensure that the parameters have correct names and proper formats and retry.	BINEDIT
INVALID PFC IMAGE SPECIFIED BY V	Specified programmable format control array for 580 printer is invalid.	Refer to carriage control description in NOS/BE Reference Manual. Correct the problem and retry.	1IR
INVALID QAF PARAMETER ADDRESS	Parameter address outside field length of program.	Correct problem and retry.	QAF
INVALID RB rb AT RBT LOC addr TYPE GO TO CONTINUE	An invalid record block rb was encountered at address addr.	Type GO to continue recovery with same record block table entry as was in use.	IRCP
INVALID RBR ORDINAL rbr FR RBT rbt TYPE GO TO CONTINUE	An invalid record block reservation table ordinal was encountered. rbr RBR ordinal rbt RBT ordinal	Type GO to continue recovery with next entry in same chain.	IRCP
INVALID RBR ORDINAL SN setname RECOVERY NOT POSSIBLE	Deadstart has found an invalid number while scanning permanent file catalog. setname Set name	Perform a level 0 or 1 deadstart.	IRCP
INVALID REEL NUMBER	Fatal user error. Reel number characters not allowed.	Correct reel number specification.	VSN REQUEST

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
INVALID REQUEST TO CPC	Bits 54-59 of request word are 0, so it cannot contain PP program name in bits 42-59. Bits 42-59 can contain only a number below 00010 (octal) as part of file action macro. Job terminated.	Notify system analyst.	CPC COMPARE
INVALID SID/DID - ROUTING IGNORED	Invalid SID, DID, or ST parameter used to route file.	Correct problem and retry.	DSP
INVALID SSH PARAMETER ADDRESS	Fatal error. A program has called SSH with a parameter address that is outside the job's field length.	Notify system analyst if system job (multi-mainframe station). Otherwise, correct and retry.	SSH
INVALID STACK ENTRY FILE NAME lfn FET ADDR addr	Request stack entry contains an undefined or invalid order code; a user has not specified an FET for order code, C.RMR (read several records). lfn File name addr FET address	Notify system analyst.	1SX
INVALID SYSTEM FILE IS INVOLVED (CKP)	Nonfatal user error. Checkpoint/restart encountered a file with FNT entries it could not process. Checkpoint is ignored.	Do not try to checkpoint AUDIT, DUMPF, or LOADPF.	CKP
INVALID VSN	User error.	Correct problem and retry.	TRANSPF
INVALID VSN IN SMT DEVxx device CHcc EGe UNuu OPTIONS - EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING REP - TRY AGAIN (ASSUMED)	There is a VSN in SMT which is not composed of alphanumeric characters. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number	Correct problem and retry.	IRCP
IO ERROR	Fatal hardware error. Error status returned on a stack request.	Try to rerun. System analyst and customer engineer should evaluate I/O problem and attempt rerun.	LBL
IO TIME LIMIT	User error. Job exceeded I/O time limit specified on job statement. Job terminated.	Increase I/O time limit on job statement.	1EJ RPV
IRCP HUNG ON BAD INSTRUCTION MUST DEADSTART TO CONTINUE	Informative message.	Notify system analyst.	IRCP
IRRECOVERABLE WRITE REPOSITION ERROR	Fatal error detected during write recovery forward spacing. Fatal unless EP bit is set.	Certify tape and retry.	3IM
cp IS DUPLICATE ENTRY POINT	Informative message.	Correct problem and retry.	EDITLIB
lib IS NOT A LIBRARY	Informative message. lib Library name	Correct problem and retry.	EDITLIB
lfn IS NOT A RANDOM FILE	Informative message. lfn File name	Correct problem and retry.	EDITLIB
lfn IS NOT A SEQUENTIAL FILE	Informative message. lfn File name	Correct problem and retry.	EDITLIB
prog IS NOT IN THE SOURCE LIBRARY - NO PROGRAMS ADDED	Informative message. prog Program name	Correct problem and retry.	EDITLIB
prog IS NOT THE NAME OF THE NEXT RECORD ON FILE INPUT	Informative message. prog Program name	Correct problem and retry.	EDITLIB
IS SN=setname, VSN=vsN MOUNTED ON OTHER MF - TYPE N.CFO YES OR N.CFO NO	Determines if recover mode 0 or mode 4 is to be run on device. setname Set name vsN Volume serial number	If device SN=setname, VSN=vsN is mounted on other mainframe, type n.CFO YES; if it is not, type n.CFO NO.	SETCCP
dir IS VALID ONLY DURING A CYBER 76 LIBEDIT RUN	Informative message. dir Directive name	Correct problem and retry.	EDITLIB
ITEMIZE COMPLETE.	Specified processing is finished. Informative message.	No action required.	ITEMIZE
ITEMIZING rec	Record identified is being processed. Informative message.	No action required.	ITEMIZE

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ITF, CONNECTION UNAVAILABLE	Requested mainframe does not respond or is disabled.	Notify console operator to enable remote mainframe.	MFINT
ITF DISABLED	The NETON is rejected because ITF is disabled in the network description table.	Request system operator to enable ITF.	MFINT
ITF, Lid DISABLED OR INVALID	Requested logical identifier lid is disabled or unknown.	Notify console operator to enable LID and try again.	MFINT
ITF FULL - TRY AGAIN LATER	No additional users allowed by ITF.	No action required.	MFINT
ITF - LONG LINE - TRUNCATED	Line entered is too long and is truncated.	No action required.	MFINT
ITF, NETWORK TRANSFER ERROR	Informative message indicating an error occurred.	No action required.	MFINT
ITF SHUTDOWN _ USER ABORTED	ITF is shut down. All users are detached.	No action required.	MFINT
ITF SHUTTING DOWN SHORTLY	ITF is going to shut down soon.	Exit ITF.	MFINT
ITF TERMINATED	User is detached from ITF and returned to command mode.	No action required.	MFINT
ITF TERMINATED BY REMOTE MF	Connection ended by remote mainframe. User is detached from ITF.	No action required.	MFINT
ITF UNAVAILABLE	The NETON is rejected because too many application programs with the same name are presently accessing the network.	No action required.	MFINT
IUP CALLED AT A NON-INTERCOM CONTROL POINT	Fatal user error. Peripheral processor routine IUP cannot be called from a non-INTERCOM control point.	Run program interactively from a terminal.	IUP
JC ENTRY OUT OF RANGE-HDS	System software error; bad MTR request.	Notify system analyst.	HDS
JC TABLE OUT OF RANGE-HDS	System software error; bad MTR request.	Notify system analyst.	HDS
JDP AUTO RECALL ERROR	Auto-recall bit not set in calling sequence.	Correct problem and retry.	JDP
JOB CARD ERROR	Programmer error.	Correct problem and retry.	1EJ
JOB CARD ERROR - VERIFY	Job statement error found in buffer passed to VEJ.	Correct problem and retry.	VEJ
JOB FIELD DISALLOWED ON USER DAYFILE	OP=J or OP=P specified on DAYFILE command. Jobname does not appear in user dayfile.	Correct problem and retry.	DAYFILE
JOB HUNG IN AUTO-RECALL	Fatal user error. Either of following conditions produce this error. <ul style="list-style-type: none"> - Completion bit was not set in an IO macro (READ, REWIND, WRITE, and so on) and control point had no activity. - An ENDW statement was encountered in a CCL procedure before a WHILE statement with a matching label string was found. 	Set completion bit in macro. Check for WHILE statement and add if not present. If present, see if WHILE and ENDW label string match and are correct. If matching, place WHILE statement before ENDW.	CPMTR
JOB KILLED	Informative message. Response to j.KILL.	Correct problem and retry; notify system analyst.	1EF RPV
JOB PRE-ABORTED	Appears at begining of job output file if input statement caused CKSUM ERROR RC.recno, CD.cardno or FORMAT ERROR RC.recno, CD.cardno. Job terminated when brought to control point.	Correct problem and retry.	1EJ
JOB REPRIEVED	Informative message. Terminated user job was restarted in recovery routine.	No action required.	RPV
JOB TERMINATED	Fatal user error. Issued in conjunction with other ACT error messages.	Refer to other ACT error messages issued for action.	ACT
JOBCARD ERROR ON ROUTE TO INPUT	Fatal user error. Job statement error found on file routed.	Correct job statement and retry.	1TJ
KEYWORD HAS TOO MANY PARAMETERS	Either PW was equated to more than five parameters, or LP was equated to more than four parameters.	Correct problem and retry.	PFCCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
LABEL CANNOT BE WRITTEN TO SPECIFIED ADDRESS - XXXB TYPE - CR - TO WRITE LABEL TO NEXT ADDRESS - XXXB TYPE DEL TO GO WITH ECS OFF	Unsuccessful attempt to write an ECS label.	Follow the instructions given in the message.	IRCP
LABEL DATE ERROR	Fatal system error.	Notify system analyst.	RECOVER
LABEL MAX MEMBERS BAD	Fatal error. Maximum number of members allowed has been exceeded.	Notify system analyst.	RECOVER
LABEL NOT EXPIRED - GO/DROP	Operator action request.	If this is the correct pack to be labeled, enter GO. Otherwise, enter DROP.	LABELMS
LABEL NOT FOUND AFTER WRITE	Fatal hardware error.	Notify system analyst.	LBL
LABEL NOT FOUND - OUX	Fatal system software error.	Notify system analyst.	OUX
LABEL NOT ON SAME RB-LBL	Fatal hardware error.	Notify system analyst.	LBL
LABEL ON RB=rbn	Informative message. rbn Record block number (octal)	No action required.	LBL
LABEL PARITY ERRORS-LABELMS	Fatal hardware error.	User should flaw device bad spots.	LABELMS
LABEL READ ERROR	Fatal hardware error.	Notify system analyst.	RECOVER
LABEL SETNAME IS BAD - DSM	Fatal system error.	Notify system analyst.	DSM
LABEL SETNAME OK, VSN BAD - DSM	Fatal system error.	Notify system analyst.	DSM
LABEL SETNAME WRONG	Fatal system error.	Notify system analyst.	RECOVER
LABEL VSN MISMATCH	Fatal system error.	Notify system analyst.	RECOVER
LABEL WRITE ERROR	Fatal hardware error.	Notify system analyst.	RECOVER
LABELMS NORMAL COMPLETION	Informative message.	No action required.	LABELMS
LAST DEADSTART RECORD ALREADY TRANSFERRED. DIRECTIVE IGNORED.	Informative message.	No action required.	EDITLIB
LAST PRU INCOMPLETE num WORDS LOST	The last physical record unit received from a NOS/BE job that had issued a SAVEPF command was incomplete. num Number of words missing from the physical record unit	Take a dump of the permanent file staging spun off task and notify system analyst.	SOTPF6
LATEST INDEX NOT WRITTEN	Conditionally fatal user error (FDB return code = 010B). CATALOG attempted on a random file without a CLOSE to write index.	Correct problem and retry.	1PD
LBL WAITING FOR INTERLOCK-LBL	Informative message. LBL is waiting for set I/L in the label to clear.	If message stays up too long, operator should drop job and user should run RECOVER before running RELABEL.	LBL
LDC ABORT - message	LDC is LDCMR utility helper. LDC aborted calling program. Possible messages are: NO PRIVATE ECS ALLOWED BAD NPUT PARAMETERS DEALLOCATE ECS FIRST ECS NOT UP Direct-access ECS is not large enough to satisfy its ECS request. NOT ENOUGH ECS AREA TABLE ZERO FILE NOT FOUND-lfn NOT SYSTEM JOB	Correct problem and retry. If additional assistance is required, notify system analyst.	LDC
LDC-BOOT ALTERNATE SYSTEM. GO/DROP	LDC will initiate alternate ECS system.	Type GO or DROP.	LDC
LDC-BOOT CURRENT SYSTEM. GO/DROP	LDC will initiate running system.	Type GO or DROP.	LDC
LDC-BOOTING TO NEW SYSTEM FIRST	LDCMR was given permission to overlay ECS system and release ECS. However, running system was old system and M.ICE subfunction EX.BOOT requires running system to be new ECS system.	Correct problem and retry.	LDC
LDC-CHANGE NEW ECS SYSTEM. GO/DROP	LDC has been called by LDCMR to create or delete an ECS system.	Type GO or DROP.	LDC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
LDC-ECSFL/1000B=nnnn	Informative message. LDC has assigned nnnnB ECS to this control point. This appears anytime ECS system is being modified. nnnn Word blocks of ECS in thousands	No action required.	LDC
LDC-MOVING DIRECTORY DOWN	Informative message.	No action required.	LDC
LDC-MOVING DIRECTORY UP	Informative message.	No action required.	LDC
LDC-OVERLAY NEW ECS SYSTEM. GO/DROP	LDC has replaced old ECS system with new and released any extra ECS.	Type GO or DROP.	LDC
LDC-RETURN TO OLD ECS SYSTEM. GO/DROP	LDC does not allow ECS modification if system is using this ECS copy to load CMR segments.	Type GO or DROP.	LDC
LDC-WAITING FOR ECS	There are batch jobs with direct access ECS which LDC is waiting for.	No action required.	LDC
LDCMR CANNOT RUN ON THIS SYSTEM (T.AREA=0)	Word P.AREA in CMR has zero pointers for T.AREA and T.ENTRY.	Correct problem and retry.	LDCMR
LDCMR MAP OPTION ERROR-DEFAULT MAP SET	Nonfatal user error. LDCMR LO = parameter is in error. Either a character that is not allowed has been specified, or conflicting options have been selected. LO default is used.	Check LO = parameter for errors and specify valid options.	LDCMR
LDCMR NOT PERMITTED THRU INTERCOM	LDC cannot move directory while INTERCOM is up.	Correct problem and retry.	LDCMR
LDCMR PERMANENT FILE ERROR LFN=lfm fc FC STAT=mm PFN=pfm	LDCMR has received an unexpected status from a permanent file routine. LDCMR used a function code of fc and received a status mm. If file is ZZZZ01, LDCMR could have cataloged ZZZZ02 on a previous run but system crashed before ZZZZ02 could be purged. lfm Local file name pfm Permanent file name	Purge ZZZZ02 to remove this problem if ZZZZ01 does not exist.	LDCMR
LDCMR SYSTEM ERROR	LDCMR has detected a system error.	Take a field length dump and notify system analyst.	LDCMR
LDCMR WAITING FOR pfm	Permanent file pfm is attached to another control point.	No action required.	LDCMR
LDL ERR,ADR = addr	This is the first message of a two-message diagnostic. A subsequent message describes the error in more detail. addr Address of parameter word	Refer to subsequent messages.	LDL
LDV ABORT	A fatal error has occurred during an overlay load and call specified automatic execution. This type of call prevents return of an error code to calling program, so job is aborted.	Ensure that specified overlay exists in specified library and retry. If the calling program is a system program, notify system analyst.	LDW
LDV ERROR ec	LDV has detected an error while trying to load an overlay. This message is followed by a second line indicating error. These errors are described in detail in CDC CYBER Loader Reference Manual. ec Error code	Refer to subsequent error message.	LDW
LDW - ECS ERROR ON PNT	An ECS parity error occurred while reading a library directory. Disk copy will be used.	Notify system analyst or customer engineer.	LDW
LDW - ECS ERROR ON PROGRAM prog	An ECS parity error occurred while reading program prog. Disk copy will be used.	Notify system analyst or customer engineer.	LDW
LENGTH OF prog EXCEEDS AVAILABLE ECS SPACE	ECS library space has been exhausted. prog Program name	Notify system analyst.	EDITLIB
LFN ALREADY IN USE	Conditionally fatal user error (FDB return code = 002B). Logical file name specified is already in use by this job. PFA passed error code to 1PD or issued directly by GPF.	Correct problem and retry.	1PD GPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
LFN EXCEEDS 7 CHARS	Informative message.	Correct problem and retry.	PFCCP
LFN GREATER THAN 7 CHARACTERS	LFN parameter of SKIP or COPY control statement is too long.	Correct problem and retry.	SKIPF SKIPB BKSP COPYBR COPYBF COPYCR COPYCF COPY
LFN GT 7 CHARS	LFN parameter of VSN control statement is too long.	Correct problem and retry.	VSN
LFN IS Lfn	Informative message. If logical file name Lfn is assumed, assumed name is printed as part of message.	No action required.	PFM
LFN NOT FOUND	Fatal user error. Logical file name not attached to job.	Correct problem and retry.	SPF
LFT - RBR MISMATCH ON DEVxx device CHcc Eqe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb OPTIONS- GO - STOP ON ALL MISMATCHES ALL - DO NOT STOP ON ANY MISMATCHES FOR THE SET	Informative message. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Enter one of the options listed in the message.	IRCP
LFT - RBR MISMATCH ON DEVxx device CHcc Eqe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb RECOVERY NOT POSSIBLE EXECUTE -RECOVER- ON ANOTHER MAINFRAME AND THEN DEADSTART A LVL 0 OR LVL 1 SYSTEM	Informative message. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Follow instructions given in message.	IRCP
LFT - RBR MISMATCH ON PFC DEVxx device CHcc Eqe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb OPTIONS- GO - STOP ON ALL MISMATCHES ALL - DO NOT STOP ON ANY MISMATCHES FOR THE SET	Informative message. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Enter one of the options listed in the message.	IRCP
LIB= IS NOT VALID IN USER EDITLIB MODE	Informative message.	Correct problem and retry.	EDITLIB
lib LIBRARY CONTAINS THE MAXIMUM NO. OF PROGRAMS	Informative message. lib Library name	Divide the one library into two.	EDITLIB
lib LIBRARY IS ALREADY IN THE LIBRARY NAME TABLE	Informative message. lib Library name	No action required.	EDITLIB
lib LIBRARY IS EMPTY. LIBRARY WILL BE REMOVED	Informative message. lib Library name	No action required.	EDITLIB
lib LIBRARY IS NOT A MEMBER OF THE LIBRARY NAME TABLE	Informative message. lib Library name	Correct problem and retry.	EDITLIB
lib LIBRARY IS NOT INCLUDED IN THE Lfn FILE	Informative message. lib Library name Lfn File name	Ensure correct library and file names and retry.	EDITLIB
LIBRARY IS NOT INCLUDED IN THE pfn FILE	Informative message. pfn Permanent file name	Correct problem and retry.	EDITLIB
LIBRARY MUST BE ON A RANDOM FILE IF OLD PARAMETER SPECIFIED	Fatal user error.	Correct problem and retry.	EDITLIB
LIBRARY MUST PRECEDE A DELETE	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY MUST PRECEDE A FINISH	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY MUST PRECEDE A SETFL OR SETFLO	Informative message.	Correct problem and retry.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
LIBRARY MUST PRECEDE AN ADD OR REPLACE	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY NAME IS MISSING OR DELIMITER FOLLOWS A DELIMITER	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY NAME IS MISSING OR INVALID DELIMITER WAS USED	Informative message.	Correct problem and retry.	EDITLIB
lib LIBRARY NOT ADDED TO LIBRARY NAME TABLE	Informative message. lib Library name	Ensure library name is correct and retry.	EDITLIB
LIBRARY OR READY MUST PRECEDE A DELETE	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY OR READY MUST PRECEDE A SETAL	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY OR READY MUST PRECEDE AN ADD OR REPLACE	Informative message.	Correct problem and retry.	EDITLIB
LIBRARY PARAMETER IS NOW NEW	Informative message.	No action required.	EDITLIB
LIBRARY WILL BE REMOVED	Informative message.	No action required.	EDITLIB
lib LIBRARY WILL RESIDE ON DISK lib LIBRARY WILL RESIDE IN CM	Library tables will not fit in extended memory or on disk. lib Library name	Increase space allocated library or ignore message.	EDITLIB
LID NOT DEFINED AT SOURCE.	The requested LID was not defined in the RHF configuration.	Use a defined LID. Notify system analyst if problem persists.	RHF
LIMIT ZERO IGNORED	Nonfatal user error. Attempt made to set unlimited mass storage.	Correct problem and retry.	1AJ
euu LINE nnn - ILLEGAL ACTION	Informative message in response to operator LINEOFF or LINEON command. e Equipment number uu Unit number nnn Octal line number	No action required.	1BR
euu LINE nnn - ILLEGAL EQUIPMENT	Informative message in response to operator LINEOFF or LINEON command. e Equipment number uu Unit number nnn Octal line number	No action required.	1BR
euu LINE nnn - ILLEGAL PORT	Informative message in response to operator LINEOFF or LINEON command. e Equipment number uu Unit number nnn Octal line number	No action required.	1BR
LIST LENGTH TOO LONG, MAX=max.	Fatal user error. Status area cannot exceed indicated maximum number max of words.	Correct problem and retry.	STS
LISTCID ARGUMENT CANT BE EQUATED	A P parameter was followed by an equal sign (=) in a LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTCID ARGUMENT ERROR	Unrecognized keyword in a LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTCID ARGUMENT FWA .GT. LWA	CM parameter (C, CD,) first address specified is greater than second address in a LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTCID NOT ALLOWED FROM INTERCOM	LISTCID can be run only from central site.	No action required.	LISTCID
LISTCID NUMERIC CONSTANT ERROR	A numeric value is ill-formed; an octal address contains an 8 or a 9 in a LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTCID ONLY ONE F PARAMETER ALLOWED	The user entered more than one F parameter in the LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTCID TOO MANY PARAMETERS	The user specified more than 36 CM address pairs in the LISTCID control statement.	Correct control statement and retry.	LISTCID
LISTLIB IS VALID FOR NEWSYS/RUNSYS BETWEEN READY - COMPLETE	Fatal error.	Reposition LISTLIB directive. Ensure library name is spelled correctly.	EDITLIB
LISTLIB MAY NOT APPEAR BETWEEN A LIBRARY AND FINISH	Informative message.	Correct problem and retry.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
rte LOADED FROM RMS	The routine rte is temporarily accessed through an RMS copy.	Notify system analyst.	CEM
LOADER ABORTED-I/O TRANSFER ERROR	Fatal hardware error.	Notify system analyst.	LOADPF
LOADING pfn	Informative message. pfn Permanent file name	No action required.	LOADPF
LOADING OF ppn IN TROUBLE	An error has occurred while loading ECS-resident PP overlay. A subsequent message describes the error in more detail. ppn PP overlay name	Notify system analyst.	CEM
LOADPF ABORT - PERMISSION FILE ERROR	Preceding dayfile message describes the problem.	Take corrective action in accordance with preceding message.	LOADPF
LOADPF ABORT-REQ ERROR	Fatal system error.	Notify system analyst.	LOADPF
LOADPF ABORTED-SYSTEM ERROR ec	Error is identified by the return codes defined for FDB. Refer to the inside front cover. ec Error code	Correct problem and retry.	LOADPF
LOADPF ABORTED-TAPE READ HARDWARE ERROR	Fatal hardware error.	Notify system analyst.	LOADPF
LOADPF FINISHED	Informative message.	No action required.	LOADPF
LOC ARG ERROR	Incorrect parameter, such as last word address greater than field length.	Correct problem and retry.	LOC
LOCAL FILE lfn CONTAINS AN INCOMPLETE LIBRARY	Informative message. lfn Local file name	Retry. If problem persists, regenerate input library.	EDITLIB
LOCAL FILE IS NOT A DS TAPE OR USER LIBRARY	Informative message.	Ensure that file is a deadstart tape or library file and retry.	EDITLIB
LOCATION ZERO IS NONZERO TYPE GO TO CONTINUE	Informative message. GO causes Location zero to be copied from new CMR.	Enter GO.	IRCP
LOCKING EDITLIB OUT	Informative message. LDCMR locked EDITLIB out by attaching ZZZZ01, ZZZZ02, and ZZZZ23 in preparation for a directory move. This message is followed by appropriate LDC message to boot an ECS system.	No action required.	LDCMR
LOGICAL FILE NAME IS MISSING OR INVALID DELIMITER WAS USED	Informative message.	Correct problem and retry.	EDITLIB
LOOKING FOR INPUT	Informative message.	Drop job if all queue files that are to be dumped have been dumped.	QUEDUMP
LOOKING FOR OUTPUT	Informative message.	Drop job if all queue files that are to be dumped have been dumped.	QUEDUMP
LOOKING FOR PUNCH	Informative message.	Drop job if all queue files that are to be dumped have been dumped.	QUEDUMP
LOOP FAULT	Fatal unless EP bit is set. Vacuum lost in loop box.	Notify customer engineer.	3IM
LOST DATA	Fatal error.	Redeadstart using different deadstart tape or different tape unit.	CONTROL
LOST FILE (CY1/RESTART)	Probable system error.	Notify system analyst.	CY1
LOST I/L GO OR RERUN	Hardware interlock ensuring sole access to master device has been lost.	Job should be rerun.	RECOVER
LOST I/L RESTART RECOVER	Fatal error.	Notify system analyst.	RECOVER
LPxx CANT SEL 6681	Printer cannot select 6681. xx 580 line printer EST ordinal	Notify customer engineer if message persists.	1IQ 1IR
LPxx CHAN HUNG FULL	Informative message. xx Printer EST ordinal	Enter /REWxx to recover current file. Notify customer engineer.	1IR
LPxx NO PAPER	Informative message. xx printer EST ordinal.	Add paper to the 1IR unit.	1IR
LPxx NOT READY	Informative message. xx Printer EST ordinal	Ready the unit.	1IR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
LPxx ON IDLED DOWN EQ	Output file lost on idled-down disk. xx Printer EST ordinal	Note jobname to rerun and type /OKxx to acknowledge.	1IR
LPxx PFC PARITY ERROR	Operator message. JANUS cannot continue with 580 PFC printer because of a hardware error. xx 580 printer EST ordinal	Type /SWxx or /REWxx to save file.	1IR
LPxx REJECT	Informative message. xx Printer EST ordinal	No action required. Notify customer engineer if message persists.	1IR
LPxx UNABLE TO LOAD PFC	Operator message. JANUS could not load PFC buffer in 580 PFC printer because of a hardware error. xx 580 printer EST ordinal	Type /SWxx or /REWxx to save file.	1IR
LPxx VERIFY FORMS POSITION	Operator message. User specified a V carriage control character in file and forms may be off top of page on 580 PFC printer. xx 580 printer EST ordinal	Reposition forms and type /OKxx to print file.	1IR
LPxx XMSN PARITY ERROR	Informative message. xx Printer EST ordinal	No action required.	1IR
LPF SYSTEM ERROR, CODE ee	Fatal system error. Refer to the error code list in the message Pfx SYSERR, CODEec.	Notify system analyst.	LPF
LRxx message	Printer status message.	See equivalent message beginning with LPxx.	1IR
LSxx message	Printer status message.	See equivalent message beginning with LPxx.	1IR
LTxx message	Printer status message.	See equivalent message beginning with LPxx.	1IR
M PARAMETER MISSING (LISTMF)	Multifile name not specified on LISTMF statement. Job terminated.	Correct problem and rerun.	LISTMF
MAC NOT CALLED BY INTERCOM MUJ	A program other than a multi-user job attempted to call peripheral processor routine MAC.	Correct problem and retry.	MAC
MAC SYSERR FROM addr	Software error in peripheral processor routine MAC. addr Address within MAC where the error occurred	Notify system analyst.	MAC
MARGINAL TRANSPORT INDICATION	Fatal error. Hardware has detected a marginal tape drive.	Notify customer engineer.	3IM
MASS STORAGE LIMIT	User exceeded mass-storage limit as specified on LIMIT control statement or installation-defined limit.	Correct problem and retry.	1EJ RPV
MASTER DEVICE NOT ON	Fatal user error. Master device was off in DLM EST check before reading master label.	User/operator should leave master device on.	DLM
MASTER/MEMBER MUST BOTH BE SHARED OR UNSHARED.	Fatal operator error.	Decide if set to be shared between mainframes, then mount master and desired members on either shared or unshared drives exclusively.	MNT
MASTER NOT MOUNTED	Fatal user error. Master must be mounted before any of its members.	User should mount master.	MNT
MASTER NOT MOUNTED THIS MF - DSM	Fatal system error.	Notify system analyst.	DSM
MASTER NOT ONLINE, PACK MAY BE IN USE, GO OR DROP	Request for operator action.	Notify system analyst. GO action response means ignore.	DSM
MASTER SET-MOUNTED FLAG SET, RUN RECOVER	Fatal system software error.	Notify system analyst or run RECOVER on this device set.	MNT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MASTER VSN NOT IN SMT	Fatal system error. SMT did not contain master VSN.	Run RECOVER (debug mode).	MNT
MAXIMUM TAPE UNITS EXCEEDED	Full allotment of tape units already assigned to control point. Job terminated.	Correct problem and retry.	6IM
MAXIMUM VSNS EXCEEDED	Maximum number of VSNS allowed (per lfn) exceeds maximum permitted by VSN processor. VSN aborts.	Correct problem and retry.	VSN
MBL NOT EVEN NO. WORDS	A SCOPE 2 job issued a GETPF or SAVEPF command to stage a file that had a maximum block length that was not a multiple of ten characters.	Change the maximum block length of the file being staged.	SOT
MBL OF numa CHARACTERS NOT ALLOWED USE MAX BLK SIZE OF numb CHARACTERS.	A SCOPE 2 job staging a tape specified a maximum block length of numa words which exceeds the limit of numb words. numb was used instead.	Reduce the maximum block length for the tape being staged.	SOT
MCH ERROR - NO ERROR LOGGING.	An error was detected using the maintenance channel. System operation can continue, but without error logging.	Notify system analyst.	1MR
MCH FATAL ERROR DEADSTART ABORTED	The maintenance channel (178) remained active too long or the channel error flag is set.	Notify customer engineer.	CONTROL
MDF NOT MASS STORAGE (1RC)	Probable system error. Memory dump file (CCCCCM) was not assigned to mass storage when RESTART of checkpointed job attempted.	Notify system analyst.	1RC
MDI ABORT - BAD DIRECTORY POINTER	System error. MDI used by EDITLIB to handle I/O involved in changing and moving directory. Directory pointers illogical. Job terminated.	System is probably inoperable; notify system analyst.	MDI
MDI ABORT - BAD PARAMETER	MDI called with bad parameters. Job terminated.	Notify system analyst.	MDI
MDI ABORT - ILLEGAL REQUEST	Illegal operation request in call by system routine.	Notify system analyst.	MDI
MDI - ERROR FLAG SET	MDI is aborting EDITLIB.	Notify system analyst.	MDI
MDI - FILE NOT FOUND - pfn	EDITLIB attempted to find file pfn but failed. Job either kills MTR if unavailable file is vital to system, or continues if file is not vital.	Notify system analyst.	MDI
MEM ABORT - CMM ACTIVE	Fatal user error. An attempt was made to change field length by calling MEM while CMM was active.	Convert MEM call to a CMM call.	MEM
MEM ARG ERROR	Parameter word outside field length.	Correct problem and retry.	MEM
MEM ARG ERR - REPLY WORD ABOVE NEW CM FL	The reply address provided on MEM call would have been outside new CM FL.	Correct problem and retry.	MEM
MEM ARG ERROR - STATUS ALREADY COMPLETE	Request made to MEM when completion bit was set in status word.	Correct problem and retry.	MEM
MEM CM REQUEST ABOVE JOB MAX	User cannot get more CM field length than maximum defined by installation, or the maximum specified on the job statement.	Correct problem and retry.	MEM
MEM EM REQUEST ABOVE JOB MAX	User cannot get more EM field length than maximum defined by installation, or the maximum specified on the job statement.	Correct problem and retry.	MEM
MEM INCREASE WITHOUT AUTO-RECALL ILLEGAL	Auto-recall bit not set in MEM calling sequence.	Set auto-recall bit to increase storage.	MEM
MEM STOPPED BY SYSTEM	Informative message. A previous error (such as operator drop) prevented processing of a memory request.	Correct problem and retry.	MEM
MEMBER DEVICE NOT ON	Fatal user error. Member EST was found to be off before it could be set busy for a member DELSET.	User/operator should make sure device is on.	DLM
MEMBER DISK RBR ORD. NOT IN SMT	System error. Disk RBR field is zero. DAM cannot be found.	Run RECOVER (debug mode).	MNT
MEMBER FILE NOT IN MULTI-FILE SET (LABEL)	Specified position number not found in multifile set. Job terminated.	Correct problem and retry.	LABEL
MEMBER NOT MOUNTED - DSM	Informative message.	Correct problem and retry.	DSM
MEMBER NOT ON-LINE	Fatal user error. Member must be on-line (or mounted) to be blank labeled.	User/operator should put member on-line.	DLM

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MEMBERS MUST BE DISMOUNTED FIRST	Fatal operator error.	Dismount members with the DMNT command.	DSM
MES CALLED FROM NON-INTERACTIVE CONTROL POINT	Fatal user error. Peripheral processor routine MES cannot be called by a noninteractive control point.	Run program interactively from a terminal.	MES
MES RECEIVED BAD PARAMETER	Error in peripheral processor routine MES.	Notify system analyst.	MES
MESSAGE LIMIT EXCEEDED	Fatal operator error. Number of messages issued by job exceeds installation maximum. Job terminated.	Reduce number of messages issued.	MSG
MESSAGE PRU CHECKSUM ERROR	Non-fatal system error. GEMINI detected a checksum error during transfer of file ownership. The control point area is dumped and the queue set is recovered.	Notify system analyst.	GEMINI
MFLCALL/FTF. FILE TRANSFERRED .ERRORS.	Fatal error. An error was detected by FTF, but a file was transferred.	Correct program and retry.	MFLCALL
MFLCALL NO FILE TRANSFERRED. ERRORS.	Fatal error. An error was detected by FTF, and a file was not transferred.	Correct program and retry.	MFLCALL
MFLCALL - NOT ENOUGH FIELD LENGTH TO LOAD FTF.	Fatal error. The amount of memory assigned to the control point is too small to contain FTF.	Increase the memory assigned to the control point with an RFL statement and retry.	MFLCALL
MFLCALL/SWT - CONTROL POINT NOT QUIET.	Fatal error. Switch call failed because of other activity at the control point. The job may have obtained user control-point status or another pp was assigned (called without auto-recall).	Resubmit the job; ensure that all long term status control point (SCP) connections are terminated and all system action requests are completed before the MFLCALL macro is executed.	MFLCALL
MFLCALL/SWT - FNT FULL.	Fatal error. The FNT is full, and the program cannot be switched out.	Resubmit job.	MFLCALL
MFLCALL/SWT - I/O ERROR ON ZZZZSW	Fatal I/O error on file ZZZZSW.	Notify system analyst.	MFLCALL
MFLINK - APPLICATION CONNECTION BROKEN	Connection is broken between local and remote applications. Request is automatically reattempted by the remote application unless the EP parameter was specified on the MFLINK command.	Notify system analyst if problem persists.	MFLINK
MFLINK - APPLICATION CONNECTION TIMEOUT	The remote application did not respond within the time-out period allowed. MFLINK automatically retries the connection unless the EP parameter was specified.	Notify system analyst if problem persists.	MFLINK
MFLINK - APPLICATION DISABLED	The operator has disabled the FTF application in the RHF subsystem.	Notify system analyst.	MFLINK
MFLINK - BLOCK TOO LARGE	Error in protocol exchange with remote application. The application automatically reattempts the request unless the EP parameter was specified on the MFLINK command.	Notify system analyst if problem persists.	MFLINK
MFLINK - CANNOT READ FROM lfn.	The file lfn does not have read permission, or the file type is not supported by MFLINK.	Correct and resubmit.	MFLINK
MFLINK - CANNOT WRITE ON lfn.	The file lfn does not have write permission, or the file type is not supported by MFLINK.	Correct and resubmit.	MFLINK
MFLINK - CONNECT REJECT=nn	MFLINK received a connect reject response from RHF with an undefined value nn.	Notify system analyst.	MFLINK
MFLINK - CONNECTION REJECTED BY REMOTE HOST.	The remote host you specified has rejected the connection.	Notify system analyst at remote host.	MFLINK
MFLINK - CONNECTING TO lid.	Informative message. You are being connected to the remote host lid you specified.	None.	MFLINK
MFLINK - CONTINUATION BLOCK DID NOT FOLLOW.	The continuation block did not follow.	Notify system analyst.	MFLINK
MFLINK - ERR/LGL RECEIVED FROM SUBSYSTEM	RHF detected an error in the protocol exchange with the application. The application aborts.	Retry. If problem persists, notify system analyst.	MFLINK
MFLINK - FC/BRK RECEIVED RC=xx	The remote application broke the network connection and aborted. The local application also aborts. xx Code indicating reason for abort.	Retry. If problem persists, notify system analyst.	MFLINK

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MFLINK - FILE RETRANSMIT REQUESTED.	The remote host has requested that the host retransmit the file.	None.	MFLINK
MFLINK - FILE TRANSFER IN PROGRESS.	The file requested to be transferred is in progress.	None.	MFLINK
MFLINK - IDLEDOWN ERROR DURING FILE TRANSFER.	A system error occurred during the file transfer and subsystem idle down is in progress.	Notify system analyst.	MFLINK
MFLINK - IN LID.	No mainframe in the network has the specified logical identifier (LID).	Ensure that the LID you specify corresponds to a mainframe in your network and retry.	MFLINK
MFLINK - INVALID COMMAND cmd.	The system received an invalid command, cmd, from the remote host or received a command out of sequence.	Notify system analyst.	MFLINK
MFLINK - INVALID CONTROL STATEMENT	A parameter on the MFLINK statement is in error.	Correct MFLINK statement and retry command.	MFLINK
MFLINK - INVALID DATA DECLARATION	You specified an incorrect DD=dd parameter on the MFLINK command.	Correct the MFLINK command and retry.	MFLINK
MFLINK - INVALID DIRECTIVE FILE NAME.	You specified an incorrect I=dirfile parameter on the MFLINK command.	Correct the MFLINK command and reissue.	MFLINK
MFLINK - INVALID FILE NAME	The file name you specified on the MFLINK command is incorrect.	Correct the MFLINK command and retry.	MFLINK
MFLINK - INVALID FILE TYPE	The file you attempted to transfer to a remote host does not have a local file type.	Ensure that the file has the correct type and retry.	MFLINK
MFLINK - INVALID PARAMETER xx FOR yy	The remote application sent a network protocol message with an invalid parameter. The local application ignores the parameter. xx Parameter number yy Command number	Notify system analyst if problem recurs.	MFLINK
MFLINK - INVALID PC PARAMETER	You specified a PC parameter value that is not acceptable to MFLINK.	Correct control statement and retry.	MFLINK
MFLINK - INVALID SUPERVISORY MESSAGE	The application does not recognize the supervisory message sent by RHF and aborts.	Notify system analyst.	MFLINK
MFLINK - LID CURRENTLY UNAVAILABLE.	The LID, PID, or NAD for the requested path has been disabled.	Notify system analyst.	MFLINK
MFLINK - LID UNKNOWN TO SUBSYSTEM.	The requested LID is not defined in the subsystem's tables.	Notify system analyst.	MFLINK
MFLINK - LOCAL NETWORK RESOURCE LIMIT.	The resource limit for local or remote network access devices (NADs) has been reached.	Retry. If problem persists, notify system analyst.	MFLINK
MFLINK - NETON REJECT = rc	A system or network error occurred. rc is a reason code returned by NETON. Refer to the RHF Access Method Reference Manual for NETON reason codes.	If problem persists, inform site analyst.	MFLINK
MFLINK - NETWORK SEQUENCE ERROR.	A network message block was found for connection before the connection was completed.	Notify system analyst.	MFLINK
MFLINK - NETWORK SHUTDOWN	An immediate local network shutdown is in progress. The application cannot send or receive blocks on any existing connector and no additional connections can be established.	Retry after the network becomes active again.	MFLINK
MFLINK - NETXFR ERROR rc - rejmess	An error occurred during file transfer rc reason code rejmess reject message rc rejmess 03 CONNECTION BROKEN 04 PROTOCOL ERROR 05 TIMEOUT EXPIRED 06 BLOCK NOT SENT 07 TOO MANY TRANSFERS 08 ACN OUT-OF-RANGE 09 CIO ERROR 13 IDLEDOWN ERROR 14 SHUTDOWN 15 RHF I/O ERROR	If problem persists, inform site analyst.	MFLINK

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	16 INCORRECT DEVICE		
	17 CODE CONV N/A. (not available)		
	18 CONTROL WORD ERROR		
	19 INCORRECT DEVICE		
	20 EMPTY FILE		
	21 NAM INTERFACE ERR		
	22 BLK NUM MISCOMPARE		
	23 INCORRECT BLK SIZE		
	25 BLOCK SEQUENCE ERR		
	26 PRU BOUNDS ERROR		
	27 INTRA-HOST PRU XFR		
	28 ERROR DURING XFR		
	29 ABL OUT OF RANGE		
	30 APPL NOT VALIDATED		
	31 FILE TYPE ERROR		
	32 JOB ORIGIN ERROR		
MFLINK - NO CONNECTION RECEIVED	The network failed to respond to the application connection request before the timeout period elapsed.	If problem persists, inform site analyst.	MFLINK
MFLINK - NO LID SPECIFIED.	You failed to specify the ST=lid parameter on the first MFLINK command of the MFLINK session.	Correct the MFLINK command and retry.	MFLINK
MFLINK - NO REMOTE DIRECTIVES FOUND.	The system is unable to find your MFLINK directives.	Correct the MFLINK command and reissue.	MFLINK
MFLINK - PROTOCOL ERROR IN xx	The remote application sent an erroneous command in a network protocol message. The local application aborts. xx Command number	Notify system analyst.	MFLINK
MFLINK - RECOVERING ST lid.	An informative message. The system is recovering the files for the mainframe specified by lid.	None.	MFLINK
MFLINK - REMOTE SUBSYSTEM NOT RESPONDING.	The system cannot establish communication with the remote host. found by the network driver (NDR). See dayfile for message that further documents the error.	Notify system analyst at remote host.	MFLINK
MFLINK - REMOTE SUBSYSTEM RESOURCE LIMIT	The remote host is temporarily unable to accept any more connections.	Retry. If the problem persists, notify system analyst at remote host.	MFLINK
MFLINK - SUBSYSTEM FULL.	The system is temporarily too busy to process your request.	Wait until system is less busy and retry.	MFLINK
MFLINK - SUBSYSTEM UNAVAILABLE.	The Remote Host Facility (RHF) subsystem is not active.	Notify system analyst.	MFLINK
MFLINK - TERMINATING CONNECTION.	The application is terminating its connection to the network.	None.	MFLINK
MFLINK - USER REQUEST SENT	Your request for file transfer has been sent to the network.	None.	MFLINK
MFQUEUE COMPLETE. FILE = xxxxxxx	Informative message that gives the file name under which your job was successfully routed.	None.	MFQUEUE
MFQUEUE - CONTROL STATEMENT ERROR.	MFQUEUE was unable to interpret the control statement. Usually an invalid character or successive separators is the cause of this problem.	Correct control statement and retry.	MFQUEUE
MFQUEUE - DUPLICATE PARAMETER.	Multiple occurrences are not allowed for any of the MFQUEUE parameters.	Correct control statement and retry.	MFQUEUE
MFQUEUE - FIRST PARAMETER NOT VALID LFN.	The first parameter must be a valid lfn.	Correct control statement and retry.	MFQUEUE
MFQUEUE - ILLEGAL DC VALUE SPECIFIED	The DC=dc parameter is not supported.	Correct control statement and retry.	MFQUEUE
MFQUEUE - ILLEGAL DD VALUE SPECIFIED.	The DD value you supplied is not supported.	Correct control statement and retry.	MFQUEUE
MFQUEUE - ILLEGAL ST VALUE SPECIFIED.	The ST value you supplied is not three letters or digits.	Correct control statement and retry.	MFQUEUE
MFQUEUE - INVALID DIRECTIVE NAME.	The directive file name is not a valid lfn.	Correct control statement and retry.	MFQUEUE
MFQUEUE - INVALID PARAMETER.	A parameter that is not allowed on the MFQUEUE statement was encountered.	Correct control statements and retry.	MFQUEUE

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MFQUEUE - NO REMOTE DIRECTIVES FOUND.	The directive file was empty or you did not supply remote directives via the PC parameter.	Correct the job so that the directive file is not empty.	MFQUEUE
MFQUEUE - ROUTING TEXT ILLEGAL WHEN DC SPECIFIED	The DC=dc parameter is not allowed when routing directives follow the MFQUEUE control statement or when the I parameter specifies a directive file.	Correct control statement and retry.	MFQUEUE
MFQUEUE - ST PARAMETER MUST BE SPECIFIED.	The ST parameter is not optional. It must appear on each MFQUEUE control statement.	Correct control statement and retry.	MFQUEUE
MHF, ABORTED	Fatal error. Consult the MHF job dayfile to determine the error.	Correct the problem and enable MHF in the RHF application display.	MHF
MHF, BUFFER FOR NLD TOO SMALL, LOCAL NAD CH=xx	A fault in MHF prevents automatic loading or dumping of the local NAD on channel xx.	Correct MHF and restart RHF.	MHF
MHF, CONNECT BROKEN, RNAD yy, LOCAL NAD CH=xx	The connection between the local NAD on channel xx and remote NAD yy (hexadecimal) was broken because of a network or remote NAD failure.	None.	MHF
MHF, CONNECT REJECT, RNAD yy, LOCAL NAD CH=xx	The connection between the local NAD on channel xx and remote NAD yy (hexadecimal) was rejected because of a network or remote NAD failure.	None.	MHF
MHF, DEVICE ENABLE SWITCH OFF, LOCAL NAD CH=xx	The NAD is disabled because the device enable switch of the local NAD on channel xx is turned off.	Turn on device enable switch.	MHF
MHF, ERROR IN ROUTINE xxxxxxxx	Fatal error. Fault in MHF routine xxxxxxxx.	Correct MHF and restart RHF.	MHF
MHF, EST ENTRY UP OR NOT RESERVED, NAD CH=xx	The EST entry of the local NAD on channel xx is not in the proper state for either NAD memory dumping or controlware loading.	Notify system analyst.	MHF
MHF, INIT PARAMETER BAD IN RECORD xxxxxxxx	MHF found a faulty memory-size or system-buffer-count value in the controlware initialization parameter record xxxxxxxx on the RHF configuration file. The NAD. is not loaded.	Correct the initialization parameter record on the RHF configuration file.	MHF
MHF, INIT PARAMETER RECORD MISSING xxxxxxxx	MHF did not find record xxxxxxxx on the RHF configuration file. A subsequent message will indicate that the load succeeded with default parameters.	Correct RHF configuration file and restart RHF.	MHF
MHF, INVALID NLD RESPONSE yyB, LOCAL NAD CH=xx	MHF received an unexpected response code (yy) when trying to communicate with the local NAD on channel xx.	Notify system analyst.	MHF
MHF, INVALID STATUS IN EST ENTRY, NAD CH=xx	The EST entry of the local NAD on channel xx is not in the proper state for NAD memory dumping or controlware loading.	Notify system analyst.	MHF
MHF, NAD C/W FAULTY - xxxxxxxx	MHF found controlware record xxxxxxxx on the system had the wrong length. The NAD is not loaded.	Correct the controlware record and restart RHF.	MHF
MHF, NAD C/W MISSING - xxxxxxxx	MHF did not find controlware record xxxxxxxx on the system when attempting to load a NAD.	Add control ware record to system and restart RHF.	MHF
MHF, NAD DUMP FILE BAD - xxxxxxxx	MHF could not automatically dump NAD memory because permanent file xxxxxxxx was faulty.	Correct (rename or purge) the permanent file and restart RHF.	MHF
MHF, NAD MAINTENANCE ACCESS DENIED, CH=xx	MHF was unexpectedly denied maintenance access to the local NAD on channel xx.	Notify system analyst.	MHF
MHF, NAD ON CHANNEL xx DISABLED	MHF abandoned further attempts to dump or load the local NAD on channel xx. Consult the preceding dayfile messages to determine the error.	Correct the problem and restart RHF.	MHF
MHF, NAD ON CHANNEL xx DUMPED FILE yyyyyyy RECORD zz	The memory of the local NAD on channel xx was copied to record zz (decimal) of permanent file yyyyyyy. (Use DMPNAD to list the dump record.)	None.	MHF
MHF, NAD ON CHANNEL xx LOADED	MHF loaded controlware into the local NAD on channel xx.	None.	MHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MHF, NAD PROCESSOR STOPPED (DC=yyyy), NAD CH=xx	The local NAD on channel xx stopped unexpectedly with dead code yyyy (hexadecimal).	None.	MHF
MHF, NDT NOT AVAILABLE FROM RHF	Fatal error. MHF could not obtain the Network Description Table from RHF.	Correct MHF or RHF and restart RHF.	MHF
MHF, NETON REJECT - reason	Fatal error. MHF failed to connect (NETON) with RHF for one of the following reasons: <u>Reason</u> RHF UNAVAILABLE	Start RHF. If the message persists, notify system analyst.	MHF
	MHF ALREADY ACTIVE	If no other copy of MHF is active, notify system analyst.	
	MHF DISABLED	Enable MHF in RHF's tables.	
	MHF UNKNOWN TO RHF	Add MHF to RHF configuration file.	
	MHF UNAUTHORIZED	Notify system analyst if no other copy of MHF is active.	
	INVALID VALUE FOR ACN	Correct MHF.	
	MHF NETTED ON ALREADY	Correct MHF.	
	UNRECOGNIZED ERROR	Correct MHF or RHF.	
MHF, NO ERROR LOG, LOCAL NAD CH=xx	Informative message. The error log of the local NAD on channel xx was unavailable.	None.	MHF
MHF, NO ERROR LOG, RNAD yy, LOCAL NAD CH=xx	The error log of remote NAD yy (hexadecimal) was unavailable when MHF tried to obtain it by way of the local NAD on channel xx.	None.	MHF
MHF, NO EST ENTRY DEFINED, LOCAL NAD CH=xx	MHF found no EST entry for a local NAD on channel xx.	Correct RHF configuration file or EST.	MHF
MHF, STARTED	Informative message.	None.	MHF
MHF, STOPPED	Informative message.	None.	MHF
MHF, WAIT FOR NAD DUMP FILE - xxxxxxx	MHF is waiting for exclusive access to file xxxxxxx in order to dump NAD memory.	If the message persists, notify the system analyst.	MHF
MHF, WAITING FOR ACCESS TO LOCAL NAD, CH=xx	MHF is waiting for maintenance access to the local NAD on channel xx.	If the message persists, notify the system analyst.	MHF
MISSING AREA HEADER IN CMRDIR	Fatal user error. CMRDIR is in wrong format; LDCMR expects an area header after lengths of stack and trace buffers.	Reassemble CMRDIR.	LDCMR
MISSING ENTRY POINT - ept	Fatal user error. Entry point ept cannot be found.	Check reference to entry point entpt and correct any errors, delete reference, or supply entry point.	LDCMR
MISSING PARAMETER	Fatal user or operator error.	Correct problem and retry.	RECOVER
MISSING PROGRAM - prog	Fatal user error. Program prog cannot be found, because either CMRDIR named program but it is not available or program should be available to LDCMR but it is not.	If program prog should be available, make it available. Otherwise, delete the reference in CMRDIR.	LDCMR
MISSING SN	Fatal user error.	Correct problem and retry.	GENLDPF
MISSING SYSTEM CMR LIBRARY	LDCMR unable to locate specified system library containing CMR binaries. LDCMR will continue pulling all binaries off input file.	Either correct library name or add specified library to the system.	LDCMR
MISSING VSN	Fatal user error.	Correct problem and retry.	GENLDPF
MISSING 34 TABLE IN SEGMENT seg	Fatal user error. PIDL table is missing from binary of segment seg.	Reassemble segment seg.	LDCMR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MISSING 36 TABLE IN SEGMENT seg	Fatal user error. ENTR table is missing from binary of segment seg.	Reassemble segment seg.	LDCMR
MISSING 40 TABLE IN SEGMENT seg	Fatal user error. TEXT table is missing from binary of segment seg.	Reassemble segment seg.	LDCMR
MLRS TOO LARGE	Fatal error, code 22. Block size greater than 512 CM words on S tapes. L tapes message indicates MLRS field greater than buffer size. User error.	Correct problem and retry.	OWM
MLTF, ERROR - BUFFER FOR NLD TOO SMALL	The system could not write the specified NAD's error log within the buffer specified.	Notify system analyst.	MLTF
MLTF, ERROR - CALLER NOT AUTHORIZED	The system attempted to log a NAD that was reserved for another job.	Notify system analyst.	MLTF
MLTF, ERROR - CHANNEL NUMBER INVALID	The system used an incorrect channel number while attempting to log errors from a NAD.	Verify the RHF configuration and specify the correct channel number.	MLTF
MLTF, ERROR - DEVICE ENABLE SWITCH OFF	The system could not get the specified NAD's error log, because the device enable switch was turned off.	Notify system analyst.	MLTF
MLTF, ERROR - EST/CHAN UNAVAILABLE	The equipment status table entry for the specified NAD is OFF or the entry had the Controlware Not Loaded flag set.	Load controlware in appropriate local NAD and retry.	MLTF
MLTF, ERROR - INVALID NLD RETURN CODE	An invalid error code was returned.	Notify system analyst.	MLTF
MLTF, ERROR - NO MORE NADS IN EST	There are no more NAD entries in the equipment status table.	Notify system analyst.	MLTF
MLTF, ERROR - REMOTE NAD UNAVAILABLE	The error log from the specified NAD was not available.	Notify system analyst. Ensure the specified NAD is available via the specified path (see dayfile for logging information). Ensure that controlware is loaded in the local NAD and remote NAD (if appropriate).	MLTF
MLTF, LOG RN=nadid, LT=trunk, AC=nadaddr, CH=ch	The remote NAD is on channel ch is currently being logged. naddid Remote NAD's logical trunk address. trunk Local trunk control unit. nadaddr Remote NAD's access code. ch Channel number.	None.	MLTF
MLTF, LOGGING LOCAL NAD ON CHANNEL ch	The local NAD on channel ch is currently being logged.	None.	MLTF
MLTF, NON FATAL ERRORS ENCOUNTERED	At least one NAD was not successfully logged.	Check the system dayfile to determine which NADs were not logged.	MLTF
MLTF, NORMAL TERMINATION	All requested local and remote NADs have been successfully logged.	None.	MLTF
MLTF, RHF MUST BE STARTED, NO NDT FILE	The system was unable to NETON to RHF. The network description table was not saved on disk.	Start up RHF and make sure MLTF is enabled.	MLTF
MLTFPROC ABORT - DELAY OUT OF RANGE(nnnn)	Fatal error. The delay parameter (DEL=nnnn) on the MLTF procedure call is defective: nnnn must be 1 to 2047.	Correct MLTF procedure call. Notify system analyst if error occurs after RHF command ENABLE, mltf ordinal.	MLTF
MLTFPROC ABORT - INVALID DELAY(nnnn)	Fatal error. The delay parameter (DEL=nnnn) on the MLTF procedure call is defective: nnnn must be a number 1 to 2047.	Correct MLTF procedure call. Notify system analyst if error occurs after RHF command ENABLE, mltf ordinal.	MLTF
MLTFPROC ABORT - INVALID SEQ ORD(nn)	Fatal error. The sequencer-ordinal parameter (SEQ=nn) on the MLTF procedure call is defective: nn must be a number 1 to 63.	Correct MLTF procedure call. Notify system analyst if error occurs after RHF command ENABLE, mltf ordinal.	MLTF
MLTFPROC ABORT - SEQ ORD OUT OF RANGE(nn)	Fatal error. The sequencer-ordinal parameter (SEQ=nn) on the MLTF procedure call is defective: nn must be a number 1 to 63.	Correct MLTF procedure call. Notify system analyst if error occurs after RHF command ENABLE, mltf ordinal.	MLTF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MLTFPROC ABORT - JOB OR NETLOG ERROR	Fatal error. The MLTF job or NETLOG program ended with an error described by a preceding dayfile message. The MLTF job will not be rerun.	Notify system analyst if error persists. Restart MLTF with the RHF command ENABLE, mltf ordinal.	MLTF
MLTFPROC ENDED- APR ABORT IGNORED	Informative message. The MLTF job will not be rerun because the job sequencer table entry is being used by another job.	Notify the system analyst if there is no MLTF job in the input queue, or executing.	MLTF
MLTFPROC ENDED - JOB NOT BATCH ORIGIN, CANNOT USE SEQUENCER FOR RERUN	Informative message.	None.	MLTF
MNxx NOT READY (NO=REASSIGN, YES=WAIT) TYPE J.YES OR J.NO	Job is trying to access a unit which is not ready. xx Tape EST ordinal.	Type J.YES and ready unit or type J.NO to reprocess the request.	6IM, REQ
*****MNT ABORTED*****	Fatal user or system error.	Notify system analyst.	MNT
MNT WAITING FOR EST FREE	Informative message.	No action required; if message persists, notify system analyst.	MNT
MNT WAITING FOR FNT SLOT	Informative message. MNT is MOUNT processor.	No action required; if message persists, notify system analyst.	MNT
MNT WAITING FOR MST I/L	Informative message.	No action required; if message persists, notify system analyst.	MNT
MNT WAITING FOR MST SLOT	Informative message.	No action required; if message persists, notify system analyst.	MNT
MNT WAITING FOR RBT CHN	Informative message.	No action required; if message persists, notify system analyst.	MNT
MNT WAITING FOR SET I/L	Informative message.	If message persists, run RECOVER, or redeadstart, specifying machine to deadstart.	MNT
MODE CHANGE RC.recno,CD.cardno	Informative message to user. Card type changed from Hollerith to binary or binary to Hollerith within a record. The change occurred at card number cardno in record number recno.	No action required.	1IR
MODIFICATION DIRECTIVE EXPECTED	A modification directive did not follow a REPLACE directive or the preceding modification directive did not terminate with a period.	Ensure that all modification directives terminate with a period and that a modification directive follows each REPLACE directive and retry.	BINEDIT
MODIFICATION OF SEQUENTIAL LIBRARY NOT ALLOWED	Fatal error.	Correct problem and retry.	EDITLIB
MORE COPIES OF 844 CONTROLWARE THAN ALLOWED REBUILD DS TAPE	Operator message. Maximum number of copies of 844 controlware present on deadstart tape is two. This maximum is exceeded.	Rebuild deadstart tape.	IRCP
MORE THAN nnn BAD RB-S FOUND-LABELMS	User specified too many flaws.	Reduce number or contact system analyst.	LABELMS
MORE THAN nnn PHYSICAL FLAWS-LABELMS	User specified too many flaws.	Reduce number or contact system analyst.	LABELMS
MORE THAN SEVEN CHARACTERS -- EXCESS IGNORED	Nonfatal user error. A control statement parameter contains more than 7 characters. Excess characters are ignored and parameter is processed.	Check statement parameters and remove excess characters, rewriting parameter if necessary.	COMQARG
MOUNT ABORTED VSN=vsn, SN=setname	System software error. vsn Volume serial number setname Set name	Notify system analyst.	MNT
MOUNT VSN vsn ON 66x UNIT (RING-OUT/IN) ENTER VSN IF UNLABELED	Informative operator message. vsn Volume serial number	Mount indicated tape.	3IV
MOUNTED VSN=vsn, SN=setname	Informative message. vsn Volume serial number setname Set name	No action required.	MNT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MOVE PACK TO FT DRIVE	The pack specified in the ADDSET control statement has full track recording mode but is physically mounted on a drive that is inaccessible by a 7154 controller.	Move pack to a drive that is accessible by a 7154 controller.	ADS
MP MUST BE SPECIFIED	User did not specify MP parameter.	Supply MP parameter and retry.	PFCCP ADS
MP MUST BE SPECIFIED - RELABEL	Fatal user error.	Notify system analyst.	RELABEL
MPF CONDITION CLEARED	Operator message. Mains power returned before computer system was affected.	Verify that power has been restored to all peripheral equipment and acknowledge message. Enter RESUME command to restart normal operations.	1SC
MSG -- ARG ERROR	Fatal user error. Address given to MSG is out of user's field length. Job terminated.	Check address supplied in MESSAGE macro for errors and correct.	MSG
MST ENTRY NOT FOUND	Fatal system error.	Notify system analyst.	RECOVER
MST ORDINAL INVALID AT RBT LOC addr TYPE GO TO CONTINUE	Informative message. addr RBT address	Type GO to end validation of this word chain pair.	IRCP
MST ORDINAL OUT-OF-RANGE	Fatal system software error.	Notify system analyst.	MNT OUX
MTxx ASSIGNED	Informative message. xx Tape EST ordinal	No action required.	REQ
MTxx BAD DSCRD	Informative message. xx Tape EST ordinal	Notify customer engineer.	1RV
MTxx BAD OAM	Informative message only. Ready dropped during rewrite of a record. Recovery procedure continues. xx Tape EST ordinal	No action required.	1P2
MTxx BLANK TAPE READ	Informative message. Channel was active and empty for one second. Fatal error if detected by tape driver. xx Tape EST ordinal	Mount correct tape if necessary.	4LB 4LC 1TF 6MM
MT xx BLOCK COUNT = blknum	A read or write parity error occurred on the tape drive with EST ordinal xx. Blknum is the octal block number of the block in which the error occurred. Recovery was attempted. A message following the first line indicates whether or not recovery was successful.	See subsequent message for further action.	3IM
MTxx BLOCK COUNT IN LABEL INVALID	Block count should be in display code numerics. xx Tape EST ordinal	Correct problem and retry.	3IV
MTxx BLOCK COUNT MIS-MATCH	Block count in EOF label disagrees with current PRU count carried by system. Informative message. xx Tape EST ordinal	Correct problem and retry.	3IV
MTxx BLOCKS READ count	Informative message. xx Tape EST ordinal count Number of blocks read.	No action required.	3IC 3IF 3IV 4LB 4LC
MTxx BLOCKS WRITTEN count	Informative message. xx Tape EST ordinal count Number of blocks read	No action required.	3IC 3IF 3IL 4LB 4LC
MTxx BUF SZ ER-TORET	Buffer does not have room for record. PP hangs, waiting for nonzero control point error flag. xx Tape EST ordinal	Take dump if possible.	1CT
MTxx END OF TAPE	Informative message, indicating crossing columns in both directions. xx Tape EST ordinal	No action required.	3IV 1RP
MTxx FET FMT ERR	Nonfatal user error. Improperly formatted HDR1 or 3000-tape header label from FET or XL buffer. Fields with errors will be replaced by system default values. xx Tape EST ordinal	No action required.	2F0 4LB 4LC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MTxx HEADER LABEL FIELDS DO NOT MATCH	Informative message. xx Tape EST ordinal	Typing G0xx, allows job to continue. Typing RECHECKxx, causes system to reread labels. If an incorrect unit has been assigned, correct tape may be mounted on same unit; a RECHECK allows job to proceed.	4LB 4LC 3IM
MTxx IMPROPER TRAILER, EOY FORCED	Informative message. Unrecognizable trailer label followed a tape mark after an end of reel reflective spot. The system will continue processing as if an EOY1 label had been read. xx Tape EST ordinal	No action required.	1RP 3IV
MTxx INCORRECT VSN SHOULD ASSIGNMENT BE ALLOWED TYPE N.YES OR N.NO	The VSN of the unit assigned by the operator does not compare with VSN specified by user. xx Tape EST ordinal	Type j.YES to override VSN specification and type j.NO to reprocess the request.	REQ 61M
MTxx IS ALREADY ASSIGNED. TYPE J.GO, THEN REASSIGN	Operator message. Operator keyed in a unit that is already assigned. xx Tape EST ordinal	Type G0.	REQ 61M
\$MTxx IS READ-ONLY. TYPE N.NO AND REASSIGN	Operator message. User did not specify NORING on REQUEST statement, but operator assigned tape to a read-only unit. A read-only unit can be assigned only when NORING is requested. xx Tape EST ordinal	Reassign tape to another unit or unload tape, remove ring, and reload.	REQ 61M
MTxx IS UNASSIGNABLE, TYPE J.GO THEN REASSIGN	Operator message. Specified tape unit is unassignable. xx Tape EST ordinal	Type j.GO and reassign.	REQ 6MN
MTxx IS WRONG VSN, TYPE J.GO THEN REASSIGN	Operator message. The VSN of the unit assigned by the operator is wrong. xx Tape EST ordinal	Type j.GO.	REQ
MTxx LABEL PARITY ERROR	Informative message. Parity error detected during attempted label read. Probably defective tape.	No action required.	4LB 4LC
MTxx LABELLED SHOULD BE UNLABELLED	Informative message. xx Tape EST ordinal	If G0xx. is typed, tape will be processed as a labeled tape. If RECHECKxx. is typed, system will reread tape. Correct tape can be mounted on same unit and a RECHECKxx will allow job to proceed.	4LB 4LC
MTxx MARGINAL TAPE. TYPE G0xx TO CONTINUE	Erase of a label written with parity errors. xx Tape EST ordinal	Typing G0xx, causes system to write system noise records until no parity errors are encountered, and then attempt to write label again.	4LB 4LC
MTxx NO END OF TAPE	Hardware failure. Failure to detect end-of-operation. xx Tape EST ordinal	Notify system analyst.	4LB 4LC
MTxx NO ROOM FOR LABEL AT EOT	Failure in attempt to write trailer label because of parity errors. So much tape was erased that further operations may run off end of reel. 4LB aborts writing label. xx Tape EST ordinal	Use a certified tape and retry.	4LB 4LC
MTxx NO WRITE ENABLE	A tape without a write ring cannot be written. xx Tape EST ordinal	Clear and unload unit, insert write ring in reel, remount it, and ready unit.	1WI 1WS 4LB 4LC 1NW 1W9 1P2 1MT 1N9
MTxx NOISE WARNING 1	NSLIM (set at 12) noise records were encountered in a read forward, bypassing standard noise records, trying to locate next nonnoise record. Last bad PRU number in T.TAPES is set to current PRU number. A new read forward loop is entered that will	No action required.	1N2

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	bypass all standard noise records without verification (no reverse read to determine noise). Also, next multibyte noise record is bypassed without verification if it occurs before a single-byte noise record or next nonnoise record. xx Tape EST ordinal		
MTxx NOISE WARNING 2	Read loop following NOISE WARNING 1 failed to locate next nonnoise record. A new read loop will bypass all standard noise records and all multibyte noise records without verification. xx Tape EST ordinal	No action required.	1N2
MTxx NOISE WARNING 3	Bypassing all multibyte noise without verification failed to locate a nonnoise record. Next read loop will bypass all standard noise records and all multibyte nonstandard noise records without verification. If a single-byte noise record occurs before next nonnoise record, one single-byte noise record will be bypassed without verification. xx Tape EST ordinal	No action required.	1N3
MTxx NOISE WARNING 4	Read loop which occurred after NOISE WARNING 3 failed to locate a nonnoise record. A read loop will be entered that bypasses all noise without verification. xx Tape EST ordinal	No action required.	1N3
MTxx NOT READY	Job is trying to access a unit which is not ready. xx Tape EST ordinal	Either mount proper tape and ready unit or reassign proper unit.	1WI 1WS 1RT 1RS 4LB 1NW 1W9 1BR 1R9 1R2 1R3 1N0 1N2 1N9 1N3 1P1 1P2 1P3 1P4 1MT 1TF 1TB
MTxx NOT SELECTED DENSITY	After a read or a forward skip that is first operation on a reel of tape, this message is displayed to indicate hardware density does not match density saved in FNT. xx Tape EST ordinal	If a GO is given, density flags in FNT will be changed to match density of tape. Care should be taken to make sure that correct tape has been mounted before responding with GO to this message.	1NR 1R9 1TF
MTxx PRU=prunum	Current PRU number is prunum. xx Tape EST ordinal	No action required.	1RV 1R3 1P1 1P2 1P3 1P4
MTxx PRU ERR T.TAPES	Last bad PRU number in T.TAPES exceeds current PRU number. xx Tape EST ordinal	Notify system analyst.	1R2 1R3
MTxx RD ERR DEV CAP EXC	Device capacity exceeded on current record. xx Tape EST ordinal	Drop the job.	1RV
MTxx RD ERR HARDWARE LD	Solid lost data or transmission parity error occurred in position forward routine in 1R3. xx Tape EST ordinal	Type RECHECKxx, for further recovery. If message reappears, notify customer engineer.	1R3
MTxx RD ERR LOST DATA	Lost data error on current PRU could not be recovered.	Type RECHECKxx, to attempt recovery. If message persists, notify customer engineer.	1RV

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MTxx RD ERR NOISE	A noise record was read. If EP bit is set, parity error status returned to user. xx Tape EST ordinal	No action required.	1MT
MTxx RD ERR NOISE IN IRG	Noise in preceding interrecord gap prevented record read forward. Record was recovered with reverse read, but driver cannot guarantee that data can be turned around successfully in buffer. Noise preceding record could cause a record to be lost. xx Tape EST ordinal	No action required.	1RV
MTxx RD ERR POS ERR LPT	Reverse read detected load point. (7-track only.) xx Tape EST ordinal	Type G0 to continue or else drop job.	1RV
MTxx RD ERR POS UNSURE GO (NO RECHECK)	Position error occurred during read parity error recovery. xx Tape EST ordinal	Type G0 to continue or else drop job.	1N0 1R3 1R2
MTxx RD ERR READ OPP MODE	Current record could not be read without error in mode specified by request. This record could be read without error in opposite mode. Data is not guaranteed. (7-track tape only.) xx Tape EST ordinal	Type G0 or drop job.	1RV
MTxx RD ERR READY DROP	1RV called by tape read drivers. xx Tape EST ordinal	Drop job.	1RV
MTxx RD ERR REC FRAGMENT	Number of bytes read from SI tape is not evenly divisible by 5 nor by 5 with a remainder of 4. xx Tape EST ordinal	Either drop the job or type G0xx. Data will be inaccurate if operator types G0xx.	1RV
MTxx RD ERR TAPE PAR ERR	A tape parity error, CRC error, or multitrack error occurred and could not be recovered. xx Tape EST ordinal	Type RECHECKxx.	1RV
MTxx RD ERR XMSN PAR ERR	Hardware error. Transmission parity error could not be recovered. xx Tape EST ordinal	Notify customer engineer.	1RV
MTxx RD RVD DEV CAP EXC	Device capacity exceeded but error was recovered; record is good. xx Tape EST ordinal	No action required.	1RV
MTxx RD RVD LOST DATA	Lost data condition was recovered. xx Tape EST ordinal	No action required.	1RV
MTxx RD RVD NOISE IN IRG	Although preceding interrecord gap has noise, it was read successfully. xx Tape EST ordinal	No action required.	1RV
MTxx RD RVD NOISE RECORD	Verified nonstandard noise record was bypassed on tape. xx Tape EST ordinal	No action required.	1N2 1N5
MTxx RD RVD REC FRAGMENT	Record fragment error was recovered successfully; data is good. xx Tape EST ordinal	No action required.	1RV
MTxx RD RVD STAN NOISE	Nonstandard noise record was verified as a standard noise record. xx Tape EST ordinal	No action required.	1N2 1N3
MTxx RD RVD TAPE PAR ERR	Tape parity error was recovered successfully; record is good. xx Tape EST ordinal	No action required.	1RV
MTxx RD RVD XMSN PAR ERR	Transmission parity error was recovered successfully; record is good. xx Tape EST ordinal	No action required.	1RV
MTxx READY DROPPED - POS UNCRT	Informative message. A transport dropped ready status during a skip forward or backward. xx Tape EST ordinal	No action required.	1TF 2TB
MTxx REJECT	Hardware is rejecting a function code. xx Tape EST ordinal	Notify system analyst.	1W1 1NW 1WS 4LB 1W9 1RT 1RS 1NR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
			1R9 1R2 1R3 1N0 1N2 1N3 1P1 1P2 1P3 1P4 1TF 1TB 1MT
\$MTxx REJECT	Tape subsystem hardware error. Operator attempted to assign tape unit xx, but unit was unavailable. One of following conditions exists: - No tape unit existed with unit number attempting to be accessed. - Unit is reserved by alternate channel. - Last tape channel in this EST entry had I/O suspended while access to this unit was in progress.	If a unit was misdialed, operator may attempt to redial it to proper number. If no units were misdialed, notify customer engineer, rerun job, and down unit in question by a DWN, UNxx command. Customer engineer should be notified, job rerun, and unit downed by a DWN, UNxx command. If a tape driver or operator just downed a channel, this can be verified by looking at system dayfile. Job may be rerun, but if it is not consuming excessive resources, it is possible to let it remain with \$MTxx REJECT message until channel repair is successfully concluded and system usage restored by UP, CHxx command. When channel is restored to service, REJECT message will clear and job will resume normal operation.	COMSUB
MTxx REMOUNT WITH RING	Tape unloaded, waiting for operator action. xx Tape EST ordinal	Mount tape with a write ring.	REQ
MTxx REMOUNT WITHOUT RING	Tape unloaded, waiting for operator action. xx Tape EST ordinal	Remove write ring from tape.	REQ
MTxx RESERVED	Tape unit is reserved on another channel and should not be. Hardware or software malfunction occurred during tape input/output processing. xx Tape EST ordinal	Notify system analyst.	1WI 1WS 1RT 1RS 4LB 1W9 1R3 1R9 1N0 1N2 1N3 2TB 1TF 1P1 1P2 1P3 1P4 1MT
MTxx RVD WRT TAPE-MK FAILURE	Informative message indicating that the tape driver recovered from difficulties encountered while writing a tapemark. xx Tape EST ordinal	Notify customer engineer if problem persists with other tapes.	4LB 4LC
MTxx TAPE IO SUSPENDED	System error. Job requested a tape, but when a tape driver tried to initiate I/O it found all channels to unit were down. xx Tape EST ordinal	Save this job until a channel becomes available by typing LOCKOUT.xx (so that only the control point and 1000B words of CM are tied up). When a channel becomes available enter UNLOCK.xx, which then resumes normal operation.	1IT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MTxx - TAPE IS HD DENSITY. TYPE n.NO AND REASSIGN	Operator message. Operator mounted tape recorded at HD density on a unit not supporting that density.	Type n.NO and mount tape on drive supporting HD density.	6IM
MTxx UNEXPIRED. SHOULD WRITING BE ALLOWED. TYPE J.YES OR J.NO.	Informative message. User is attempting to overwrite data on a tape with an unexpired label. xx Tape EST ordinal	Typing j.YES allows tape to be overwritten. Typing j.NO aborts job. If overwrite attempt is detected before any operation has been made on tape, operator can type G0xx. or RECHECKxx. If tape is no longer at load point, RECHECKxx. option is not possible and operator can only reply j.YES or j.NO.	1TR
MTxx UNEXPIRED TAPE G0xx OR RECHECKxx	User is attempting to overwrite a tape with an unexpired label. xx Tape EST ordinal	Typing G0xx. processes tape as expired. Typing RECHECKxx. causes system to reread label and check for expiration.	4LB 4LC
MTxx UNLABELED, SHOULD BE LABELED	Informative message. xx Tape EST ordinal	Typing G0xx. causes tape to be processed as unlabeled. Typing RECHECKxx. causes system to attempt to find tape label and to reread tape. If an incorrect unit was assigned, mount correct tape on same unit; a RECHECK will allow job to proceed.	4LB 4LC
MTxx UNRECOGNIZABLE TRAILER LABEL TYPE G0xx OR RECHECKxx	Informative message. xx Tape EST ordinal	RECHECKxx. causes system to reread label in an attempt to identify it. G0xx. causes job to proceed as if an end-of-file (EOF1) trailer label was read.	1RP
MTxx VSN IS vsn	Informative message. xx Tape EST ordinal vsn Volume serial number	No action required.	1TO 1RQ REQ
MTxx WRT ERR BAD CBKSP	Invalid data was found (parity error or record of incorrect length) after a controlled backspace. xx Tape EST ordinal	Notify system analyst.	1P1 1P4
MTxx WRT ERR BAD CHECKSUM	Write recovery drivers are unable to locate last good record using length and checksum. This is a positioning failure. xx Tape EST ordinal	Typing G0xx. results in a tape generated with missing blocks.	1P1
MTxx WRT ERR BAD CONTR BKSP	Invalid PRU (length or parity error) was found after a controlled backspace. (7-track only). xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1MT
MTxx WRT ERR BAD ERASE	Parity error was detected while erasing a tape. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P2 1MT
MTxx WRT ERR BAD VERIFY	Noise has been detected by an on-the-fly read of erased interrecord gap. This noise is too close to last good record to be erased. xx Tape EST ordinal	If a G0xx. is given for this tape, an irrecoverable read error may occur when it is read at a later date.	1P1
MTxx WRT ERR CANT FND LGR	Last good data record was not found. xx Tape EST ordinal	If operator types G0xx., job continues regardless of error, and data may be bad. If operator types RECHECKxx., another attempt is made to find last good record.	1P1

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MTxx WRT ERR CANT FND SNR	A readable system noise record cannot be found. xx Tape EST ordinal	Type G0xx., job continues regardless of error, and data may be bad. If operator types RECHECKxx., another attempt is made to find system noise record.	1P4
MTxx WRT ERR COLD START	Severe and repeated motion problems have been detected by tape controller. Job is not allowed to continue because a tape created on this transport will not be usable. xx Tape EST ordinal	Since problem could be caused by tape itself, this tape should be tried on another transport. If it can be written successfully on a different transport, original transport should be transferred to customer engineering for checkout.	1P3
MTxx WRT ERR ERASE LIMIT	More than IP.SKCNT attempts to recover have been unsuccessful. xx Tape EST ordinal	Type G0xx. to cause one more erase.	1P2 1MT
MTxx WRT ERR FL POS UNCRT	After a reverse read of a bad PRU, tape appears to be positioned in midst of previous record. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1
MTxx WRT ERR FMK BFR LGR	During search for last good record, a file mark was encountered which is not last good record. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1
MTxx WRT ERR FMK BFR SNR	A filemark was found while searching backward for a system noise record. xx Tape EST ordinal	Operator should type G0xx. or RECHECKxx.	1P4
MTxx WRT ERR LGR BFR SNR	Informative message. Last good record occurred before an expected system noise record. xx Tape EST ordinal	No action required.	1P4
MTxx WRT ERR LOST DATA	Fatal error. Lost data status returned by hardware. xx Tape EST ordinal	Notify customer engineer.	1P1 1P2 1P3 1P4 1MT
MTxx WRT ERR NO LGRL	Informative message. Last good record length was not available for recovery. A substitute algorithm is used in this case. (IP.LGRL=1 only.) xx Tape EST ordinal	No action required.	1P1
MTxx WRT ERR NOISE IN IRG	A PRU larger than noise record length was found which was not a valid data block. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P3 1MT
MTxx WRT ERR POS ERR BD	When reread, a record previously discarded as noise was greater than noise length. Tape read drivers cannot read this tape. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1
MTxx WRT ERR POS ERR LPT	Position lost. (7-track only.) xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1 1P3 1P4
MTxx WRT ERR POS UNCRT	Tape may be positioned in midst of last good record. May be preceded by a message which details the positioning error. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1 1P4 1MT
MTxx WRT ERR PSBL FRAGMNT	After a reverse read of a bad PRU, tape appears to be positioned in middle of bad PRU. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1
MTxx WRT ERR REV EQ LGRL	A PRU read forward as noise length was same length as last good record when read in reverse. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P1
MTxx WRT ERR SGL FRM NOZ	A single frame of noise was detected while verifying recovery. xx Tape EST ordinal	Type G0xx. or RECHECKxx.	1P3

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MTxx WRT ERR XMSN PAR ERR	Hardware error. xx Tape EST ordinal	Notify customer engineer.	1P1 1P2 1P3 1P4 1WI
MTxx WRT ERR 25 FT ERASED	Fifty unsuccessful attempts were made to recover the error. xx Tape EST ordinal	Drop job if tape must meet ANSI standards.	1P2
MTxx WRT RVD	A write error was recovered. xx Tape EST ordinal	No action required.	1P3
MTxx WRT TAPE-MK FAILURE	Failure in attempt to write a tapemark. Fatal error. xx Tape EST ordinal	Use a certified tape and retry.	4LB 4LC
MTxx XMSN P.E.	Hardware failure. Transmission parity error occurred during tape I/O. xx Tape EST ordinal	Notify system analyst.	4LB 4LC
MTxx XMSN PARITY ERROR	Hardware malfunction. xx Tape EST ordinal	Notify customer engineer.	1WS 1RT 1RS 1W9 1WI 1NW 1R9 1NR 1R2 1R5 1N0 1N2 1N3 1P1 1P2 1P3 1P4 1NT 2TB 1TF
MTR 1 CPU ONLY. ACK TO USE 1	Nonfatal system error. MTR is assembled with IP.MCPU=1.	Enter ACK to continue. A system analyst should also be notified so system may be rebuilt if site wishes to use two CPUs.	MTR
MTS BC NOT RESPONDING CHcc - CR TO GO	Buffer controller cannot be dumped when selected. cc Channel number	Press carriage return.	IRCP
MTS CONTROLWARE-DMT NOT FOUND ON DS TAPE DS WITHOUT MTS	MTS controlware is missing.	Perform deadstart without MTS tape units in a logical ON configuration.	IRCP
MTS COUPLER NOT RESPONDING ESTxx CHcc EQe UNuu	Autoload has not been performed on all MTS buffer controller memories. xx EST ordinal cc Channel number e Equipment number uu Unit number	Notify customer engineer.	IRCP
MUJ NOT CALLED BY INTERCOM MUJ	Fatal user error. Peripheral processor routine MUJ cannot be called from a non-INTERCOM control point.	Run program interactively from a terminal.	MUJ
MUJ SYSTEM ERROR ec.hh.mm.ss mm/dd/yy or MUJ SYSTEM ERROR ec.hh.mm.ss mm/dd/yy (FATAL)	MULTIuser job (either a user MUJ or a system MUJ such as EDITOR) encountered a hardware and/or software problems at time hh.mm.ss and date mm/dd/yy. Error code ec can be found in INTERCOM Version 4 Reference Manual or INTERCOM Version 5 Reference Manual.	If error is not (FATAL), save your work immediately. Notify system analyst whether error is fatal or not.	MUJSUBS
MULTIPLE LOADPOINTS ON TAPE	A load point indication is present in hardware status and at least one block was read or written since first load point marker was sensed. Fatal unless EP bit is set.	Determine cause of multiple load points. Correct problem. Recreate tape.	6WM
MULTIPLE NAME NOT FOUND ON MF DEVICE	Specified multifile name is not known. This message may indicate MF parameter is missing from REQUEST statement of a multifile device.	Correct problem and retry.	6WM

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
MULTIPLE SYSTEM SETS MULTIPLE PF DEFAULT SETS MULTIPLE QUEUE SETS	Informative message.	Clear appropriate set attribute from all but one set.	IRCP
seg MUST BE IN CM RESIDENT	Informative message. Segment seg is moved to central memory resident area. Either segment itself or CMRDIR specified the move.	No action required. If segment should be in another area, change either segment or CMRDIR, whichever specified the move.	LDCMR
N.DIR, ECS NOT AVAILABLE, JOB RERUN	Directed job was rerun because the requested amount of ECS was not available.	No action required.	1IB
N.DIR, JDT FULL, JOB RERUN	Directed job was rerun because there was no empty job descriptor table available for initiation.	No action required.	1IB
N.DIR JOB CANNOT RUN ON THIS MF	Job statement specified an ST parameter that does not match any ID on this mainframe.	Correct problem and retry.	1IB
N.DIR, JOB WAITING FOR CM MOVE WAIT OR TYPE DIRABT	Field length requested is in progress for directed job. Stand by for storage move. If message persists, storage move might have been held up by realtime jobs.	Wait or abort directed job.	1IB
N PARAMETER IS NOT SPECIFIED IN REQUEST	Fatal user error.	Correct problem and retry.	DUMPF
NAME LIST MAY NOT CONTAIN AN INTERVAL	Informative message.	Correct problem and retry.	EDITLIB
NAME LIST TOO LARGE - 40 NAME MAXIMUM	Informative message.	Correct problem and retry.	EDITLIB
NAME OF RECORD IS MISSING OR DELIMITER FOLLOWS A DELIMITER	Informative message.	Correct problem and retry.	EDITLIB
NAME TOO LARGE - DELIMITER IS MISSING	Informative message.	Correct problem and retry.	EDITLIB
NDR - ADDRESS ERROR	The calling program gave an address that was invalid.	Notify system analyst.	NDR
NDR - ILLEGAL CALLER	Only RHF is allowed to call NDR.	Notify system analyst.	NDR
NDR - ILLEGAL FUNCTION	RHF specified an invalid function.	Notify system analyst.	NDR
NDR - INVALID CONNECT REQUEST	A NAD sent an invalid reply to a system connect request.	Notify system analyst.	NDR
NEW CHECKSUM MISMATCH	The expected checksum specified on the CHKSUM directive does not match the calculated checksum of the modified record written to the new record file. Refer to the contents of NEW CHECKSUM in the preceding CHECKSUM CHANGED line of the output report.	If the job aborted, ensure that the two checksums match and then rerun the job.	BINEDIT
NEW ECS FL TOO SMALL. REQUEST nnnn (RESTART)	nnnn is required ECS field length for the job.	Increase ECS field length to nnnn.	RESTART
NEW FL TOO SMALL RFL,nnnn. (RESTART)	Field length of RESTART must not be less than field length at checkpoint; nnnn is required field length for the job. Job terminated if RESTART memory request cannot be satisfied.	Correct problem and retry.	RESTART
NEW RECORDING MODE USED	Informative message. User attempted to rewrite a label, using a recording mode other than original. Operator assumed this new mode matches data in pack, and label was rewritten with new recording mode.	No action required.	RELABEL
NEWCYCLE CATALOG	Informative message.	No action required.	PFC
NEXT CONTROL POINT CLEARED	Acknowledges n.CLEAR command.	No action required.	MMGR
NEXT REEL OR MF SET UNKNOWN	Fatal error.	Correct problem and retry.	3IM
NEXT VSN WAS NOT GIVEN, OP ABORT	Fatal error.	Correct problem and retry.	3IM
NF TOO LARGE	System detected NF which is too large.	Correct problem and retry.	ADS PFCCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NLD01 - FET ADDRESS ERROR	The calling program specified a FET pointer that was not within the calling program's field length.	Notify system analyst.	NLD
NLD02 - NOT CALLED FROM SYSTEM LIBRARY	The calling program did not have system origin privileges.	Notify system analyst.	NLD
NLD03 - INVALID FUNCTION CODE	The calling program specified a function code that does not exist.	Notify system analyst.	NLD
NLD05 - BUFFER ARGUMENT ERROR	The calling program specified a FET buffer pointer that was not valid.	Notify system analyst.	NLD
NLD06 - ABORTED BY SYSTEM	One of the error flags in the calling program's control point area was set.	None.	NLD
NM ID = ownname PFN = pfn NM CY = cy SN = setname size WORDS. RN ID = ownname PFN = pfn RN CY = cy SN = setname size WORDS.	Informative accounting message issued when file is renamed. ownname Owner name pfn Permanent file name cy Cycle number setname Set name of device on which file resides. size File size (decimal). First two lines apply to old ID/PFN/CY; next two lines apply to new ID/PFN/CY.	No action required.	6PM
NM ILLEGAL	System detected illegal NM parameter.	Correct problem and retry.	ADS
NM OR DAM EXCEEDED	An attempt to add a member to the set failed because adding the member would have caused one of the master device tables to overflow.	Construct a new device set. Refer to ADDSET in the NOS/BE System Programmer's Reference Manual, Volume 1.	ADS
NO ACTIVE LINE	EXPORT has been initialized and no terminals are active.	No action required.	1HS
NO AUDFILE FNT FOUND-OUX	Fatal system software error.	Notify system analyst.	OUX
NO as AVAILABLE	No device with allocation style is available.	Turn on a device with allocation style as or wait until such a device is available.	3D0
NO AVAILABLE DEVICE OF TYPE REQUESTED	User requested specific device type not in this system; job terminates.	Specify available device type.	REQ
NO CHECKPOINT TAKEN	Informative message. CKP aborted.	See previously issued message for reason and action.	CKP 1RC
NO CODE - DDP ON CH cc SET OFF	No DDP driver is available in PP. cc Channel number	Notify system analyst. Type ACK. to acknowledge message.	CEM
NO CONTINUATION CARD	No terminator found on REQUEST statement. REQUEST aborts. During execution of VSN, an expected continuation statement was not found. VSN aborts.	Correct problem and retry.	REQUEST VSN
NO DAYFILE FOUND	System malfunction. The system could not find file name table entry for DAYFILE.	Notify system analyst.	1DF
NO DDT ENTRIES	There are no more entries left in the DDT for an additional RMS device.	Delete unneeded RMS EST entries and try again.	IRCP
NO DDT ENTRY FOR MASTER	Fatal system error.	Notify system analyst.	MNT
NO DDT FOR EST xx - SYSTEM ERROR	Fatal system error. xx is the EST ordinal.	Notify system analyst.	LBL
NO DEVICE AVAILABLE	Fatal user error. No device available for a new file. FET code 10B is returned in FET if present.	Perform ADDSET to add another device to device set.	1PK
NO DEVICE AVAILABLE FOR OVERFLOW	Fatal user error. File cannot overflow. FET code 10B is returned in FET if present.	Notify system analyst.	1PK
NO DEVICE LABEL	Fatal system software error.	Notify system analyst.	PF0
NO DFT - NO ERROR LOGGING.	The DFT module could not be located in the CIP directory. System operation can continue, but without error logging.	Use compatible levels of NOS/BE and CIP to allow error logging.	1MR
NO DISK SPACE. DEV TYPE = xx ALOC STYLE = yy.	Informative message. An attempt was made to load a file onto a device with a nonexistent device type, the file has an allocation style that does not allow for overflow, or disk space is exhausted. xx Device mnemonic yy Allocation style number If device type or allocation style do not match those defined for the set in use,	If space has been made available, type n.CFO RETRY to continue loading the file. Type n.CFO SKIP to skip loading the file and to allow loading of other files. Type n.CFO TERMINATE to terminate	LOADPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	n.CFO RETRY will not allow loading even when space is available. To load this file, use the OR parameter on the LOADPF statement.	LOADPF and to allow for rebuilding of the set with necessary device type and/or allocation style.	
NO DSC AVAILABLE	No 6673 or 6674 data set controller (SC) was available because it was off, assigned to another job, or not configured.	Notify system analyst.	1HS
NO DUMFNT	Fatal system error.	Notify system analyst.	LPF
NO EC	Nonfatal user error. No EC parameter in file definition block.	Correct and retry.	PFA
NO ECS CODE IN PPRES	No ECS driver is available in PP-resident because of assembly parameter error.	Notify system analyst.	CEM
NO EMPTY SLOT IN LOGIN TABLE-LBL	Fatal user error.	Run RECOVER before attempting RELABEL.	LBL
NO EOR, EOF, OR EOI	Fatal hardware error.	Notify system analyst.	LOADPF
NO EQUIPMENT FOR DRIVER	The operator attempted to bring up INTERCOM, but no valid equipment was turned on for the driver requested.	Ensure that needed equipment is defined and turned on. Bring up INTERCOM.	111
NO EST SPECIFIED	A fatal system error occurred during deadstart because DS parameter was specified.	Correct problem by specifying EST.	LABELMS
NO EXISTING MASTER SN setname	Public set has C or M action level, but there is no master device. setname Set name	Mount master pack.	IRCP
NO FILE TO CATALOG	Nonfatal user error. No file ZZZZCMR exists to be cataloged. Both F=0 and PO=C were specified on LDCMR control statement.	To create file ZZZZCMR, use any F option but 0. Omit PO=C if cataloging is not desired.	LDCMR
NO FILES DUMPED	Informative message.	No action required.	DUMPF
NO FLAW TABLE IN CMR-HDS	System software error. Bad MTR request.	Notify system analyst.	HDS
NO FNT FOR MINIMUM LENGTH FET	Fatal system error. File environment table address in PAK call is not valid.	Notify system analyst.	PAK
NO FNT SPACE	Fatal system software error.	Retry.	PF0
NO FNT SPACE FOR QUEUE FILE	Informative message.	If condition persists, notify system analyst.	XDQ
NO FREE DRIVER ORDINALS	INTERCOM problem.	Notify system analyst.	111
NO-INPUT-FILE	Informative message.	Correct problem and retry.	LOC
NO JOBS LOADED	Operator message. No jobs found in load sequence.	Ensure proper tape was used and change tapes if incorrect. If proper tape used, see if tape was destroyed.	TLOAD
NO LABEL FOUND DEVxx device CHcc EQe UNuu RECOVERY NOT POSSIBLE	Informative message. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number	Perform another deadstart to label device.	IRCP
NO LABEL ON MASTER-RELABEL	Job aborted. All files lost.	Set has to be recreated.	RELABEL
NO LFN FOUND	Fatal error. The system expected to find a logical file name on a continuation line but did not find one.	Set has to be recreated. Specify a file name and retry.	VSN
NO LFN - LFN REQUIRED	User neglected to specify a logical file name.	Correct problem and retry.	BKSP
NO LFN OR PFN	Conditionally fatal user error (FDB return code = 006B). Neither a logical file name nor permanent file name was specified.	Correct problem and retry.	PFM 1PD
NO MASTER FOR SNsetname	No master device can be found. setname Set name	Mount master device on a drive or, if set setname is being initialized, enter xx,MD for a member.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NO MASTER FOUND-LBL	System software error. Bad MTR request.	Notify system analyst.	LBL
NO MASTER LABEL-LBL	Fatal abort. All files lost. Cannot relabel a device unless there is a good label on MASTER.	Recreate set. Notify system analyst.	LBL
NO MATCHING SMT FOUND-OUX	Fatal system software error.	Notify system analyst.	OUX
NO MEMORY DUMP ON TAPE (RESTART)	Job aborted. Bad checkpoint tape.	Notify system analyst.	RESTART
NO MST ENTRIES	There are no more entries left in the MST for an additional entry.	Clear the SETNAME for an unneeded set and try again.	IRCP
NO MST FOR DEVICE	System error occurred during deadstart. Mounted set table has been destroyed.	Notify system analyst.	LBL
NO MST FOR DEVICE-LBL	Fatal system software error.	Notify system analyst.	LBL
NO MST ORD, LFN lfn - IGNORED (CKP)	Probable system error.	Notify system analyst.	CKP
NO NAME DIRECTIVE	A NAME directive must appear before CHECKSUM, REPLACE and modification directives.	Ensure that a NAME directive precedes the other directives and retry.	BINEDIT
NO NEW USERS AT THIS TIME	ITF is shutting down shortly. No new users accepted.	No action required.	MFINT
NO OF DAMS EXCEEDS NO OF CM RBRs -	Fatal system error. Mount attempted on device with multiple RBRs. Not enough RBR space (for headers) for this EST ordinal.	Notify system analyst.	MNT
NO OUTPUT FILE ON THE COPYN CONTROL CARD	COPYN control statement must specify an output file.	Correct problem and retry.	COPYN
NO PASSWORD SPECIFIED	Fatal user error.	Specify password and retry.	DUMPF
NO PASSWORD SPECIFIED	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
NO PERMISSION TO CALL QAF	Program attempting to use a protected function.	EDITLIB program into system library.	QAF
NO PERMISSION TO CALL SSH	Fatal error. Only a system resident program can call SSH for the requested function.	Correct problem and retry.	SSH
NO PERMISSION TO ROUTE THIS FILE	At least read permission is required to route a file.	Correct problem and retry.	DSP
NO PERMISSION TO VERIFY - VERIFY IGNORED	VEJ called by a nonsystem library program. Job terminated.	Remove call to VEJ or add program to system library.	VEJ
NO PF DEVICE IN PF SET NO PF DEVICE IN SYSTEM SET NO QUEUE DEVICE IN QUEUE SET	Informative message.	Give appropriate attribute to at least one member of set.	IRCP
NO PFC SPACE FOR QUEUE FILE	Informative message.	If condition persists, notify system analyst.	XDQ
NO PFD DEVICE	Installation error.	Notify system analyst.	PFA PFC PFE PFP
NO PFN OR LFN	No pfn or lfn specified on a GETPF or SAVEPF call.	Correct problem and retry.	GPF SPF
NO POINTER IN LABEL FOR TABLE	System software error.	Notify system analyst.	TRANSPF
NO PUBLIC SETS IN MST	Fatal system error.	Notify system analyst.	DSM
NO RBR WITH GIVEN EST	Fatal system error. RBR scan by EST was unsuccessful.	System analyst should take PP, CM dumps.	MNT
NO REPLACE DIRECTIVE	The user must specify a REPLACE directive.	Specify a REPLACE directive and retry.	BINEDIT
NO RERUN BIT SET, JOB CANNOT BE RERUN	Parity error occurred when job was being rolled in. Job was terminated instead of rerun because the no-rerun bit was set.	No action required.	6SI
NO ROOM FOR EXTRA CYCLE	Conditionally fatal user (FDB return code = 004B). Permanent file has five cycles (Limit).	Purge one cycle of the permanent file and retry.	1PD LPP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NO ROOM FOR LABEL	Fatal user error.	Do not flaw all of first three RBS since LABEL must go there.	RELABEL
NO ROOM FOR LFT	Fatal system error.	Notify system analyst.	RELABEL
NO ROOM FOR PFT	Fatal error. Member has been filled with PFs. User has flawed previous PFT RB(s).	Delete a noncritical flaw and rerun job or there is no hope for a RELABEL. If during postdeadstart, operator must redeadstart.	RELABEL
NO xxxxxxxx SET	Informative message. There must be exactly one of the following public sets: system, permanent file default, and queue. Also, there must be at least one scratch set. xxxxxxx Type of set: SYSTEM, PF DEFAULT, QUEUE, or SCRATCH	Correct problem and try again.	IRCP
NO SPACE IN ECS FOR x...x LIBRARY TABLES	ECS Library space is insufficient to hold library directories.	Notify system analyst.	EDITLIB
NO SPACE VSN=vsn DT=dt AL=al P Q S SN=setname	File cannot be assigned as requested. This a variable message in which fields appear only if applicable. vsn Volume serial number dt Device type al Allocation style P Permanent file device Q Queue file device S System file device	Drop job if space type is not available in system.	3D0
NO ST PARAMETER	Fatal user error. A GETPF or SAVEPF must have an ST parameter specified.	Correct problem and retry.	GPF SPF
NO SYS PERMISSION	Protect bit is set, disallowing LDL action requested.	Correct problem and retry.	LDL
NO SYSTEM DEVICE	No system device can be found.	Give system device attribute to at least one member of system set.	IRCP
NO SYSTEM FILE IN SN setname	The system file ZZZZ04 was not found on the system device of the system set.	Either specify the correct system device or do a level 0 deadstart.	IRCP
NO SYSTEM FILE ZZZZ04 IN SN setname RECOVERY NOT POSSIBLE	The system file ZZZZ04 does not exist in the system set setname.	Specify another set as system set, or perform a level 0 deadstart.	IRCP
NO SYSTEM FILE ZZZZ23 IN SN setname LVL 3 DEADSTART IS NOT POSSIBLE	System file ZZZZ23 does not exist in the system set setname.	Specify another set as the system set, or perform a level 0, 1, or 2 deadstart.	IRCP
NO SYSTEM TO ADD TO ECS	Nonfatal user error. No file ZZZZCMR exists from which to build an ECS system. Both F=0 and PO=A were specified on the LDCMR control statement.	To create file ZZZZCMR, use any F option but 0. Omit PO=A if building an ECS system is not desired.	LDCMR
NO TAPE ENTRIES	There are no more entries available in the T.TAPES table.	Delete unneeded tape EST entries and retry.	IRCP
NO TAPE REQUESTED	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
NO TAPE REQUESTED	Fatal user error.	Use DUMTAPE REQUEST statement before DUMPF statement.	DUMPF
NO TAPE TABLE ENTRY-OUX	Fatal system error.	Notify system analyst.	OUX
NO TERMINATOR	The last word of each modification directive must terminate with a nonblank separator in or before column 72. If this is the last modification line, the terminator must be a period. If it is a continuation line, the terminator must be a nonblank separator other than a period.	Ensure that all modification directives have proper terminators and retry.	BINEDIT
NO TRAILER LABEL FROM SOURCE	The tape spun off task did not receive standard trailer label records from SCOPE 2. A default trailer label is written by the spun off task.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
NO TYPE2 LABEL	Fatal hardware error.	Notify system analyst.	PF0

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NO UNIT NUMBER WITH EQUIPMENT TYPE	Specification of a unit number is not allowed for this type of equipment.	Correct entry and retry.	IRCP
NO UNMOUNTED MEMBER FOUND-LBL	Fatal user error. RELABEL can only be run on an unmounted member.	Correct and retry.	LBL
NO URT ENTRIES	There are no more entries available in the T.URT table.	Delete unneeded tape EST entries and retry.	IRCP
NO USER CALL TO HDS	User called HDS after a completed deadstart. Illegal call.	Correct and retry.	HDS
NO USER CALLS YET	Fatal user error.	User should not call RELABEL.	RELABEL
NO VALID DIRECTIVES	Directive file is empty, or directives are formatted improperly.	Specify correct directives file and ensure proper format of directives.	EDITLIB
NO VSN FOUND	During execution of VSN, a VSN, expected to be found on a continuation card, was not present. VSN aborts.	Correct problem and retry.	VSN
NO. WORDS counta NO. OF EOR countb	Informative message indicating counta words and countb system logical records were staged by a permanent file or tape staging spun off task.	No action required.	SOTMSG
NO WRITE ENABLE	Write ring missing from the tape on the output unit.	Put the write ring on the tape.	BNP
NO WRITE ENABLE	Write ring missing from the tape on the output unit.	Put the write ring on the tape.	BNP
NO ZZZZPK FILE FOUND	Fatal user error. ZZZZPK file must exist for a job trying to stage a permanent file.	User must not return ZZZZPK files.	2ST
NO 2XPPU OR CONTROLLER NOT 7154	Operator specified FT recording mode but FT was ignored. Either 2XPPU speed is not available or device does not have access to a 7154 controller.	Either type HT, then return to EST display by typing EST and correct any errors found there, or redeadstart and turn on 2XPPU speed.	IRCP
NO 2XPPU SPEED IS ACCESSABLE -DSM	The operator attempted an RMNT or DMNT on a full track pack and the 2XPPU speed was not turned on.	Redeadstart and turn on the 2XPPU speed.	DSM
NO 2XPPU SPEED/NO FT CONTROLLER ACCESS FOR FULL TRACK MASTER	Fatal error. Master of set has full-track recording mode, but either drive has no 7154 controller access or system does not have 2XPPU in effect.	Move master to a device accessible by a 7154 controller. The RELABEL cannot be performed if 2XPPU speed is unavailable.	RELABEL
NO 2XPPU SPEED/NO FT CONTROLLER ACCESS. FT PARAMETER NOT ALLOWED-GO/DROP	Operator message. Either pack to be labeled is not on a drive accessible by a 7154 controller or system is running with 1XPPU speed.	If operator specifies GO, a half-track label is written. Otherwise, job is dropped.	RELABEL LABELMS
NO 2XPPU SPEED/NO FT CONTROLLER ACCESS. FT PARAMETER NOT ALLOWED	Fatal user error. User specified FT recording mode but device has no 7154 controller access.	Either use HT instead of FT or move FT pack to a drive accessible by a 7154 controller.	RELABEL
NON-NUMERIC OR ZERO FILE COUNT	The number of files to be copied is zero or nonnumeric.	Correct problem and retry.	COPYCF COPYBF
NON-NUMERIC OR ZERO RECORD COUNT	The number of records to be copied is zero or nonnumeric.	Correct problem and retry.	COPYCF COPYBF
NON-NUMERIC POSITION NUMBER - CANNOT POSITION MF	Fatal user error.	Correct problem and retry.	3IM
NON-NUMERIC RECORD COUNT	The number of records to be copied is zero or nonnumeric.	Correct problem and retry.	COPYCF COPYBF COPYCR COPYBR
NON-RMS EST ORD TOO LARGE	EST ordinal of non-RMS device must be less than 100B.	Specify an EST ordinal less than 100B for device.	IRCP
NOT A CKP TAPE - lfn	Checkpoint file lfn was requested without CK parameter.	Add CK parameter to request.	RESTART
prog NOT ADDED	Program not added to library. prog Program name	See preceding error message in output for action.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NOT ALL DEV SHARED SN=setname	Not every member device within set setname is shared on unit level.	Correct problem and retry.	IRCP
NOT ALLOWED TO CALL xxx.	The user does not have permission to use program xxx. xxx Program name	No action required.	RMVAL
NOT ALLOWED TO DROP EDITLIB	Once j.GO has been typed, EDITLIB must complete its operation. Job continues.	If j.GO should not have been typed, then wait for EDITLIB to end and then perform an EDITLIB (SYSTEM,RESTORE).	MDI
prog NOT AVAILABLE	PP driver program prog not in system.	EDITLIB required driver into system before bringing multiplexer up.	1I1
NOT CONTROL CARD CALLABLE	Previous control statement names a program that is not control statement callable; control statement error flag set.	Correct problem and retry.	1AJ
NOT ENOUGH BIT TABLE SPACE IN CM	Fatal error. Mount attempted on device with multiple RBRs; unable to continue due to lack of RBR space (for bit tables) for this EST ordinal.	Notify system analyst.	MNT
NOT ENOUGH CORE	Insufficient space in RECOVER field length to accommodate RBR and RBT areas.	Type GO to try again or else rerun job with more field length.	RECOVER
NOT ENOUGH ECS FOR THIS JOB	Operator message. Insufficient ECS for this job as specified on job statement. Job aborted.	Redeadstart, allocating more direct ECS space.	1IB
NOT ENOUGH FL FOR RB BUFFER	Insufficient central memory to allow RECOVER to accommodate one physical record unit of the permanent file catalog.	Rerun job with larger field length.	RECOVER
NOT ENOUGH FL TO LOAD RESTART	RESTART field length must be 25000 or greater, depending on field length of checkpoint job.	Correct problem and retry.	RESTART
NOT ENOUGH ROOM IN PP- - HDS	System software error. Bad MTR request.	Notify system analyst.	HDS
NOT ENOUGH SPACE FOR RBR+RBT	Fatal system error.	Notify system analyst.	RECOVER
name NOT FOUND	Requested record name is not on the tape or the tape is positioned beyond the record specified.	Verify the record name. If it is correct, rewind the tapes (R directive) and restart the patching of the CTI/HIVS tape.	BNP
prog NOT FOUND	Program did not appear in interval specified. prog Program name	Ensure specified program exists on file and retry.	EDITLIB
Lfn NOT FOUND, ENTER N.CFO FILE NAME OR N.CFO TO TERMINATE	Nonfatal operator error.	If incorrect name was typed, retry; otherwise, continue with a new file name or a period.	QUEDUMP
ovl NOT IN PPLIB	Resident called to load overlay ovl not named in library. Job terminated.	Correct problem and retry. Notify system analyst.	1EJ RPV
NOT INITIATED BY OPERATOR	Fatal user error. GEMINI can only be initiated at a cleared control point by the operator.	User should not attempt to start GEMINI.	GEMINI
prog NOT LISTED	Program not in library. prog Program name	Ensure program and library names are correct and retry.	EDITLIB
NOT READY OR NO RING	Specified dump unit is not ready, lacks a write ring, or may be rewinding.	Correct problem and continue.	DTS
Lfn NOT RESTORED	Informative message issued during deadstart queue-file recovery. File resides on nonmounted queue device. lfn File name	No action required.	1QF
NOT SAAM FILE - FO PARAMETER IGNORED	FO parameter valid but file is either null or not index sequential (IS), direct access (DA), or actual key (AK) file.	Correct problem and retry.	PFC
NOTE SYSTEM WILL CRASH IF GO RESPONSE ENTERED	Informative message.	Take dump and notify system analyst.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
NPUee RESTART	INTERCOM has detected a malfunctioning 255x on equipment ee. All users on that 255x are disconnected. Occurs if more than one 255x on more than one channel are active. ee Equipment number	The operator must acknowledge the message by typing ACK. and then type n.X LISTCID. to list the INTERCOM dumps. The ZZZZDD file should be evicted then by entering EVICT,ord, where ord is the F display ordinal of file ZZZZDD. INTERCOM will be reinitiated on the failing NPU automatically.	1BR
NT xx message	Some messages apply both to seven track (MT) units and to nine-track (NT) units. Either MT or NT can appear as the prefix on the message. These messages are listed under MT. xx Tape EST ordinal	Refer to the identically worded message under MT.	yyy
\$NTxx IS READ-ONLY. TYPE J.NO AND REASSIGN	Operator message. User did not specify NORING on REQUEST statement, but operator assigned tape to a read-only unit. A read-only unit can be assigned only when NORING is requested. xx Tape EST ordinal	Reassign tape to another unit or unload tape, remove ring, and reload.	REQ 6IM
\$NTxx REJECT	System hardware error. Operator attempted to assign tape unit xx, but unit was unavailable. Either a switch was set so unit could not be accessed or unit failed.	Notify customer engineer.	COMSUB
NTxx 6WM ER 1CR RC	6WM returned control to 1CR when 1CR tried to have 6WM issue a fatal error message (ERRN8). xx Tape EST ordinal	Notify system analyst.	1CR
NTxx - TAPE IS GE DENSITY. TYPE n.NO AND REASSIGN	Operator message. Operator mounted tape recorded at GE density on unit not supporting that density.	Type n.NO and mount tape on drive supporting GE density.	6IM
NUMBER EXCEEDS 5-DIGIT LIMIT 99999 USED	Informative message.	Correct problem and retry.	EDITLIB
NUMBER OF RECORDS GREATER THAN 262143D	Second parameter of a SKIP control statement exceeded maximum number of allowable records.	Correct problem and retry.	SKIPF SKIPB
NVE IOU ERROR.	A NOS/VE PP has halted due to an error.	Notify system analyst.	1MR
OBJECT DECK CONTAINS ONLY A PREFIX TABLE	Fatal error.	Regenerate the binary and retry.	EDITLIB
OCC ERROR -	Correction statement format is incorrect.	Correct problem and retry.	LOC
OCTAL FIELD CONTAINS A NAME	Informative message.	Correct problem and retry.	EDITLIB
OCTAL FIELD CONTAINS DECIMAL DIGITS	Informative message.	Correct problem and retry.	EDITLIB
OLD CHECKSUM MISMATCH	The expected checksum specified on the NAME directive does not match the calculated checksum of the unmodified record read from the old record file. Refer to the contents of OLD CHECKSUM in the preceding CHECKSUM CHANGED line of the output report.	If the job aborted, ensure that the two checksums match and rerun the job.	BINEDIT
OLD tbl DATA LOST - TYPE GO TO CONTINUE WITH NEW tbl MUST INITIALIZE NOS/VE SYSTEM	The named table could not be recovered. If the second message appears, the active NOS/VE system cannot be continued. tbl EICB or SSCT	Type GO to continue the level 3 deadstart using the reinitialized table and initializing NOS/VE.	IRCP
OLD IDENT MISMATCH	The expected patch identifier specified on the NAME directive does not match the actual patch identifier contained in the prefix table of the record read from the old record file. Refer to the contents of OLD IDENT in the preceding BEGIN PATCH line of the output report.	If the job aborted, ensure that the patch identifiers in question match and rerun the job.	BINEDIT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
OLD LABEL ON = rbn	Informative message. rbn Record block number	No action required.	LBL
OLD MASTER FILE EMPTY OR MISPOSITIONED	Informative diagnostic. None of the replacement file records were copied to the new file.	Correct problem and retry.	COPYL/ COPYLM
OLD OR NEW PARAMETER MISSING / DELIMITER FOLLOWS A DELIMITER.	Informative message.	Correct problem and retry.	EDITLIB
OLD VSN = vsn	Informative message. vsn Volume serial number	No action required.	LBL
ONLY DEBUG MODE MAY RUN AT INTERCOM CONTROL POINT.	Interactive use of PASSWRD is not allowed to modify the password file.	Use PASSWRD from a batch job.	PASSWRD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
ONLY EDITLIB LOADED FROM THE SYSTEM LIBRARY MAY DO THIS OPERATION	Because it can modify running system, MDI must be protected from unauthorized calls. In this case, a program not loaded totally from system library (not EDITLIB) tried to issue an MDI request.	System EDITLIB cannot be used from a user library. No action possible.	MDI
ONLY LFN SYSTEM CAN BE MODIFIED	Informative message.	Correct problem and retry.	EDITLIB
ONLY ONE RECORDING MODE MAY BE SPECIFIED	Fatal user error. User specified both FT and HT parameters.	Remove parameter that does not apply to pack.	SETCCP PFCCP
ONLY THE RUNNING SYSTEM CAN BE MODIFIED	Informative message.	Correct problem and retry.	EDITLIB
OP. DROPPED RC.recno,CD.cardno	Informative message. Operator issued /END command for card reader during read of card number cardno in record number recno.	No action required.	1IR
OPERATOR DISMOUNT COMPLETE	Acknowledgment of successful DMNT.	No action required. Successful dismount has been performed.	DMNT
OPERATOR DROP	Operator has dropped job.	Correct problem and retry and/or notify system analyst.	1EJ RPV
OPERATOR REMOUNT COMPLETE	Acknowledgment of successful remount.	No action required.	DMNT RMNT
OUT OF RANGE	Parameter in command typed in is illegal.	Correct problem and retry.	DIS
OUX NOT USER CALLABLE	Fatal user error.	User should not attempt to use PP routine.	OUX
OVERSIZE WORD COUNT FOR IAP	User error. A word count parameter greater than 64 was passed to IAP.	Correct error and retry.	IAP
P SPACE LOW SN=setname	The number of record blocks available for permanent files on the public set indicated has dropped to or fallen below the first (higher) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
P SPACE NOT LOW SN=setname	The number of record blocks available for permanent files on the public set indicated has risen above the first (higher) system defined threshold. setname Set name	Type ACK. to clear message.	2RN
P SPACE NOT OUT SN=setname	The number of record blocks available for permanent files on the public set indicated has risen above the second (lower) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
P SPACE OUT SN=setname	The number of record blocks available for permanent files on the public set indicated has dropped to or fallen below the second (lower) system defined threshold. The system is now in step mode. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
PACK ON EST = xx REMOVED BY DMNT, RMNT REQUIRED	Operator initiated DMNT utility to allow removal of the pack on device with EST ordinal xx. A job has now attempted to mount the pack before RMNT has made the device available again.	If conditions are such that pack cannot be used by this job, type n.DROP. Otherwise, the job will remain swapped out until RMNT is successfully completed.	MNT
**** PAK ABORTED ****	Fatal user or system error.	Notify system analyst.	PAK
PAK USER CALL ILLEGAL	PAK can be called only by system routines.	Remove PAK call from user program.	PAK
PARAM LIST TOO LONG (CKP)	Value of n in user parameter exceeds 42 (decimal). CKP request refused.	Reduce number of files used.	CKP
PARAMETER COUNT IS GREATER THAN 4	Too many parameters on SKIP control statement.	Correct problem and retry.	SKIPF SKIPB
PARAMETER ERROR	Informative message.	No action required.	DLM
PARAMETER ERROR	Error in BCPROC parameters.	Correct error and rerun job.	BCPROC BCLOAD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PARAMETER ERROR IN STS	Invalid parameter supplied in STS call. STS is used by CP program to obtain certain status.	Correct problem and retry.	STS
PARAMETER EXCEEDS 9 CHAR	User error.	Correct problem and retry.	PFCCP
PARAMETER F OR P INVALID WHEN RECORD NAME PRESENT	User error.	Correct problem and retry.	EDITLIB
PARAMETER INVALID - SN=setname or PARAMETER INVALID - VSN=vsn	System detected invalid parameter. SN or VSN is not alphanumeric. SN first character must also be alphabetic. setname Set name vsn Volume serial number	Correct problem and retry.	ADS
PARAMETER MEANINGLESS W/O EQUIVALENCE	Nonfatal user error. A control statement parameter should be followed by an equal sign, but was not. Parameter is ignored.	Check statement parameters for error and add an equal sign and an appropriate value to incorrect parameter.	COMQARG
param PARAMETER MUST BE SPECIFIED	Fatal user error. Parameter indicated was omitted from control statement.	Supply parameter and retry.	PFCCP
string PARAMETER NAME - param UNKNOWN	Invalid parameter. string Beginning of EDITLIB directive param Invalid parameter	Correct directives and retry.	EDITLIB
PARAMETER OUT OF RANGE	Parameter passed to routine is not within job's field length.	Correct problem and retry.	GEJ IUP LDC MUJ
PARAMETER OUT OF RANGE	Error in call to either peripheral processor routine IUP or peripheral processor routine MUJ.	Notify system analyst.	IUP MUJ
PARAMETER OUT OF RANGE IN MES	Error in peripheral processor routine MES.	Notify system analyst.	MES
PARAMETER TOO LONG, 8TH CHAR IN COLUMN nn	Informative message. nn Column number	No action required.	COPYN
PARAMETER TRUNCATED xxxx	An optional parameter contains too many characters. xxxx Parameter in truncated form	If the job aborted, ensure that the parameter in question does not extend beyond its field length and rerun the job.	BINEDIT
PARAMETER WORD OUTSIDE USER FL	REQ parameter list is outside user's field length; job terminates.	Correct problem and retry.	REQ
PARITY ERROR	Parity error occurred during read of an ECS buffered file; error may be in ECS or on RMS device.	Notify system analyst.	CEM 6WM
PARITY ERROR IN ROLLIN	Job is automatically rerun if no-rerun bit is clear; otherwise job terminates.	No action required.	6SI
PARITY ERROR K=length XO=addr	An ECS parity error on a read of length indicated and starting at address addr was detected.	Notify customer engineer.	LDCMR
PARITY ERROR ON DATA RCVD FROM EXT CHANNEL.	A parity error was detected on data received from an external channel.	Notify system analyst and customer engineer.	SCE
PARITY ERROR ON DATA XMTD FROM EXTENAL PP.	A parity error was detected on data transmitted from a PP.	Notify system analyst and customer engineer.	SCE
PARITY ERROR ON READING table DEV xx device CHcc EQe UNuu	Informative message. table One of the following tables:	Enter one of the options listed in the message.	IRCP
OPTIONS EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING REP - TRY AGAIN (ASSUMED) RBR RB PRU DVST CVST ADR-REG rbr rb pru iiii jjjj kkkk kkkk	DAM LFT PFC PFD SMT xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number rbr RBR ordinal rb Record block number pru PRU number iiii Device status jjjj Converter status kkkkkkkk Hardware address		

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PARITY IN HEADER-WILL NOT RELOAD FILE	Nonfatal hardware error. Permanent file will not be reloaded.	No action required.	LOADPF
PARTIAL EDITLIB - INSUFFICIENT CM	Informative message.	Notify system analyst.	EDITLIB
PARTIAL EDITLIB PERFORMED - SYSTEM MAY BE INOPERATIVE	Informative message.	Notify system analyst.	EDITLIB
PARTIAL WORD FOUND ON S/L TAPE COPY TO SCOPE FILE lfn UNUSED BITS CLEARED	Informative message.	No action required.	COPYBF COPYBR COPYCF COPYCR
PASSON ABNORMAL 0	PASSON's attempt to sign on to the memory link failed with a fatal error. PASSON terminates.	Notify system analyst.	VEIAF
PASSON ABNORMAL 01	The memory link reported a fatal error when PASSON attempted an mlp\$add sender to permit itself to receive messages from any NOS/VE application. PASSON terminates.	Notify system analyst.	VEIAF
PASSON ABNORMAL 02	PASSON does not begin interactive processing until NOS/VE's Interactive Facility's executive signals it to do so. In this case, the memory link reports a fatal error status while PASSON is awaiting the executive's signal. PASSON terminates.	Notify system analyst.	VEIAF
PASSON ABNORMAL 05	The memory link reported a fatal error when PASSON attempted to receive a downline message from NOS/VE. PASSON ignores the message and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 06	PASSON discovered that the message from NOS/VE is neither a data message nor a supervisory message (the only 2 possibilities for application messages). PASSON ignores the message and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 07	INTERCOM has signaled to PASSON (via the supervisory status word) that an upline supervisory message is available to relay to NOS/VE, but PASSON ascertains that the message is not a supervisory message. PASSON ignores the message and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 09	PASSON received a connection request supervisory message (CON/REQ/R) from INTERCOM for a connection which is already in use. PASSON ignores the connection request and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 10	PASSON received an initialize-connection request or response (FC/INIT/R or FC/INIT/N) for a connection that was not expecting such a supervisory message. PASSON ignores the message (which hangs the connection if it is initialized) and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 11	PASSON received a network shutdown supervisory message (SHUT/INSD/R) from INTERCOM indicating that INTERCOM is terminating. PASSON terminates immediately if the shutdown is immediate. Otherwise the shutdown message is relayed to NOS/VE and PASSON continues interactive processing after it issues the abnormal message.	None.	VEIAF
PASSON ABNORMAL 12	PASSON received an invalid supervisory message from INTERCOM. PASSON ignores the message and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 14	The memory link reported a fatal error when PASSON attempted to send a queued upline supervisory message to NOS/VE. The message was discarded and PASSON continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 15	The memory link reported a fatal error when PASSON attempted to send an upline supervisory message to NOS/VE that was not queued. The message was discarded and PASSON continues interactive processing.	None.	VEIAF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PASSON ABNORMAL 16	PASSON tried to send a supervisory message from INTERCOM to NOS/VE and had to queue the message for later transmission, but there was no allocatable space to queue the message. The message was discarded and PASSON continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 17	The memory link reported a fatal error when PASSON attempted to send a queued upline data message to NOS/VE. The message was discarded and PASSON continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 18	The memory link reported a fatal error when PASSON attempted to send an upline data message to NOS/VE. The message was discarded and PASSON continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 19	PASSON received a connection-rejected supervisory message (CON/REQ/A) from NOS/VE for a connection which was not waiting for a CON/REQ/N. PASSON terminates the connection and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 20	PASSON received a connection-accepted supervisory message (CON/REQ/N) from NOS/VE for a connection which was not waiting. PASSON terminates the connection and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 21	PASSON terminated because it received a supervisory message from NOS/VE to stop interactive processing.	None.	VEIAF
PASSON ABNORMAL 22	PASSON received an unrecognized supervisory message from NOS/VE. PASSON ignores the message and continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 24	PASSON received an INTERCOM data message with the ibu (input block undeliverable) bit set in the message header. The message is not sent to NOS/VE and PASSON continues interactive processing.	None.	VEIAF
PASSON ABNORMAL 26	The memory link reported a fatal error when PASSON attempted to send a message (data, supervisory, queued data or queued supervisory) to a NOS/VE application not signed on to the memory link. PASSON discards the message and continues interactive processing.	None.	VEIAF
PASSWORD CONTROL CARD ERROR.	The control statement has an illegal parameter. Refer to PASSWRD in the NOS/BE Installation Handbook.	Correct parameter error.	PASSWRD
PASSWORD FILE ERROR, RETURN CODE = xxB	SEND or SITUATE detected permanent file error xx. Refer to FDB return codes on the inside front cover.	Correct problem and retry.	SEND, SITUATE
PASSWORD FILE PROBLEMS	SEND or SITUATE detected errors in the INTERCOM password file.	Notify system analyst.	SEND, SITUATE
PASSWRD NEW RUN ILLEGAL WHILE INTERCOM/RMF UP.	PASSWRD cannot create a new password file while INTERCOM and/or RMF is running.	Drop INTERCOM and RMF before running PASSWRD.	PASSWRD
PAUSE message	Operator message. A user job is waiting for operator action.	Follow instruction. Resume job with j.60.	PAUSE
PCM ALLOCATION BAD	Informative message; permanent file catalog allocation map is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
PERM FILE ERROR xxxB	PASSWRD detected permanent file error xxx. Refer to the inside front cover for the FDB return codes.	Correct problem and retry.	PASSWRD
PERM PACK NEEDED TO RESTART JOB (CKP) FILE NAME lfn SET NAME setname VSN vsn	Informative message. lfn File name setname Set name vsn Volume serial number	No action required.	CKP
PERMANENT FILE ERROR RETURN CODE ec	Informative message. ec Error code (Refer to the FDB return codes on the inside front cover.)	No action required.	LOADPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PERMISSION FILE ATTACH ABORTED. RC=ec	Error is identified by the return codes defined for FDB. Refer to the inside front cover. ec Error code	Correct problem and retry.	DUMPF LOADPF TRANSPF
PERMISSION FILE NOT CATALOGED	Fatal user error.	Catalog file and retry.	DUMPF LOADPF TRANSPF
PF ABORT	Fatal user error.	Refer to message issued immediately before this one.	PFC 1FC PFA LPF PFP PFE PFR PFS 1PD
PF ALREADY ATTACHED	Conditionally fatal user error (FDB return code = 024B). Error code passed to 1PD by PFA. Permanent file specified by permanent file name, identifier, and cycle number has already been attached by this job.	Correct problem and retry.	1PD
PF CYCLE NO. = cy	If LC was specified, no CY was specified, or CY value was not usable; generated cycle number cy was used.	No action required.	PFA PFC
PF ERROR-ATTACH	Attempt to attach latest cycle of DAYFILE failed.	Correct problem and retry.	1DF
PF ERROR-CATALOG	Attempt to catalog new cycle of DAYFILE failed.	Correct problem and retry.	1DF
PF ERROR-PURGE	Attempt to purge old cycle of DAYFILE failed.	Correct problem and retry.	1DF
PF NAME-- - - -	Informative message.	No action required.	LOADPF

MESSAGE	SIGNIFICANCE	ACTION	ROUTINE
PF REQUESTED. SHOULD xx BE ASSIGNED	User REQUEST is for permanent file devices; operator assigned non-PF device. xx EST ordinal	Typing n.YES allows job to continue. Typing n.NO allows for reassignment to correct device type.	6IM
PfX SYS ERR, CODE ec	System error occurred in permanent file routine PFx. Reliability of permanent file manager is in doubt. Error type is indicated by code ec: 01 PFD entry count error 02 RBTC entry length in error 03 Cycle not found 04 First word of RBTC PRU in error 05 Bad PFD FNT 06 Bad RBTC FNT 07 Bad status returned in PFT FNT 08 Purge-on-not-in-use entry 09 Bad PFA cycle search 10 System error, bad FNT 11 Bad PFD pointer in RBTC 12 Bad cycle number in RBTC 13 Interlock problem 14 Bad RBTC pointer 15 Duplicate APF entry 16 Bad LPF communication 17 Illegal function attempted on incomplete cycle 18 CM chain shorter than RBTC chain 19 RBT-RBTC chains are not equal 20 FNT address invalid 21 Bad PRU index 30 No DUMFNT FNT 40 VSN not found in SMT 41 First WP byte count is not 3 42 RBR ordinal out of range 43 No EST match in DDT 44 No EST match in RBR 45 Bad DAM ordinal 46 Bad MST ordinal or VSN 47 No corresponding RBR	Notify system analyst.	PFA PFC PFE PFP PFR PFS
PFC ALLOCATION BAD	Informative message; permanent file catalog is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
PFC RB CHAIN BAD	Fatal abort. First RB of chain does not match RB number on which it is recorded.	Notify system analyst.	RECOVER
PFC RB COUNT BAD	Fatal abort. Length of chain is different from expected length.	Notify system analyst.	RECOVER
PFC - RBR MISMATCH ON DEVxx device CHcc EGe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb	PFC - RBR mismatch on a nonshared set. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Enter one of the options listed in the message.	IRCP
OPTIONS GO - STOP ON ALL MISMATCHES ALL- DO NOT STOP ON ANY MISMATCHES FOR THE SET			
PFC - RBR MISMATCH ON DEVxx device CHcc EGe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb RECOVERY NOT POSSIBLE EXECUTE -RECOVER- ON ANOTHER MAINFRAME AND PERFORM LEVEL 0 OR 1 DEADSTART	PFC-RBR mismatch on a shared set. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Follow the instructions given in the message.	IRCP
PFD ALLOCATION BAD	Informative message; permanent file directory is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER
PFD- -DUPLICATE LOCAL FILE NAME	Fatal system software error.	Notify system analyst.	PFD
PFD FULL	Conditionally fatal user error (FDB return code = 016B). Particular permanent file will not be loaded.	Notify system analyst.	1PD LPF
PFD- -ILLEGAL CODE	Fatal system software error.	Notify system analyst.	PFD
PFD- -ILLEGAL LOCAL FILE NAME	Fatal system software error.	Notify system analyst.	PFD

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PFD JOB NOT CALLED BY OPERATOR	Fatal user error.	CONVPF and PFDUMP can only be initiated via DIS or N.X.	PFD
PFD-NO EMPTY RBT PAIRS	Fatal system software error.	Retry.	PFD
PFD-NONEXISTENT LOCAL FILE NAME	Fatal system software error.	Notify system analyst.	PFD
PFD NOT CALLED BY SYSTEM OVERLAY	Fatal user error.	Do not try to use PP routine. Notify system analyst.	PFD
PFD- -PARAMETER ADDRESS OUT OF RANGE	Fatal system software error.	Notify system analyst.	PFD
PFD POINTERS NOT EQUAL IN PRF/PFC-OUX	Fatal system software error.	Notify system analyst.	OUX
PFD RB CHAIN BAD	Fatal abort. First RB of chain does not match RB number on which it is recorded.	Notify system analyst.	RECOVER
PFD RB COUNT BAD	Fatal abort. Length of chain is different from expected length.	Notify system analyst.	RECOVER
PFD-SET NOT MOUNTED	Fatal operator error.	Mount user set and retry.	PFD
PFLOG ABORT	Informative message.	Refer to accompanying messages.	PFLOG
PFLOG COMPLETE	Informative message.	No action required.	PFLOG
PFLOG COULD NOT ATTACH PERMISSION FILE	Fatal user error. Permission file was not cataloged.	Correct problem and retry.	PFLOG
PFLOG - FORCED EOY DUE TO PARITY ERROR	Informative message. PFLOG detected a parity error while writing LOGTAPE. The tape has been unloaded.	Prepare to mount a new tape. Another message will request one.	PFLOG
PFLOG - INCORRECT PERMISSION	Fatal user error. User supplied wrong password.	Correct problem and retry.	PFLOG
PFLOG - INCORRECT PERMISSION	Fatal user error.	Correct problem and retry.	PFLOG
PFLOG - INVALID MESSAGE CODE	Fatal software error.	Notify system analyst.	PFLOG
PFM STOPPED BY SYSTEM	Fatal system error (FDB return code = U70B). Error code passed to 1PD by PFM routines.	Correct problem noted in previous message(s) and retry.	1PD
PFM SYSTEM ERROR	Permanent file manager system error resulting in conditionally hung PP. A subsequent message describes the error in more detail.	Notify system analyst who should take dumps of lower 20 K and RBT area of central memory, a PFDUMP, and a permanent file audit.	1PC
PFN ERROR ecB, CONSULT LOADPF OUTPUT	Error code ec returned to LOADPF by LPF (mode1) or 1FC. File is skipped. ec FDB return code (refer to the inside front cover.)	Consult LOADPF output listing for name and ID of file skipped.	LOADPF
PFN EXCEEDS 40 CHARS	PFN is too many characters long.	Correct problem and retry.	PFCCP
PFN/ID ERROR	Conditionally fatal user error (FDB error code = 001B). ID of SYSTEM was specified on initial CATALOG or RENAME attempt, or ID of PUBLIC was specified on initial CATALOG or RENAME attempt without public permission password, or an illegal character was found in ID or PFN.	Correct problem and retry.	1PD
PFN/ID ERROR	Permanent file name or ID contains nonalphanumeric characters.	Correct problem and retry.	PFR PFC
PFN IS pfn	Informative message. If permanent file name pfn was assumed, name will be printed as part of message.	No action required.	PFC PFA 1FC
PFN=pfna TYPE N.CFO Y OR NEW PFN	The deadstart spun off task is displaying the name of the permanent file pfna which is to be used for SCOPE 2 deadstart.	Type n.CFO Y to use permanent file pfna or n.CFO pfnb to use permanent file pfnb. n is the control point number of the deadstart spun off task.	SOTDS
PHYSICAL/LOGICAL POSITIONS DISAGREE	Informative message. Tape file is not physically positioned at load point, although logical PRU count indicates that it should be. 1R2 encountered load point after backspace.	No action required.	1T0 6WM 1R2

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PIDL TABLE NOT PRESENT	Informative message.	Regenerate the binaries and retry.	EDITLIB
PLEASE ENTER TIME	Informative message.	Enter time for INTERCOM.	111
PNT FOUND EMPTY. LIBRARY IS INVALID.	Nonfatal error.	Ensure that library being modified is not empty.	EDITLIB
PNT OVERFLOW	More than 2047 programs in program name table.	Correct problem and retry.	EDITLIB
PNUT OVERFLOW	Indicates EDITLIB program error.	Notify system analyst.	EDITLIB
PO=A OPTION IGNORED	Informative message. PO=A parameter on LDCMR control statement was ignored because CMR was on input file; system was not added to ECS.	In order to put segments into ECS, segments must be based on CMR currently in use.	LDCMR
PO=I ON INITIAL LDCMR	Fatal user error. Parameter PO=I is required with first execution of LDCMR and invalid on subsequent executions. Either PO=I was required and was not present or it was invalid and was present.	If this is first execution of LDCMR, add PO=I to LDCMR control statement. If this is a subsequent execution, remove PO=I from control statement.	LDCMR
PO=P WITHOUT INPUT FILE	Fatal user error. Parameter PO=P was specified, but no LDCMR input file was created. No file was indicated with an F parameter.	Add an F=fn parameter to LDCMR control statement.	LDCMR
PORT pn EST xx BAD MULTIPLEXER SUBTABLE ENTRY	INTERCOM problem. pn Port number xx EST ordinal.	Notify system analyst.	111
POSITION NOT FOUND IN MULTI-FILE SET	Fatal error. Position desired was missing in multifile set.	Recreate multifile set correctly and retry.	3IM
POSITION UNCERTAIN ON MULTIFILE	Fatal error. The tape unit backed the tape to loadpoint, but the position number is greater than one. Probable hardware error.	Try job on a different unit. If error persists, notify system analyst.	3IM
POSITION UNCERTAIN, READY DROPPED DURING LAST OP	Fatal error.	Notify system analyst.	3IM
POWER/ENVIRONMENT NORMAL.	The condition that caused the system shutdown has been corrected.	Notify customer engineer.	1MR
POWER FAILURE.	The system was shut down because of a power failure.	Notify customer engineer.	1MR
PPp rte n - BAD MTR REQUEST	Operator message. p Peripheral processor number rte Routine n Control point number	Type ACK to acknowledge, record problem, and notify analyst. Do not try to resolve problem.	MTR
PP CALL ERROR	Job terminated because central processor requested PP program with name that did not begin with a letter. May also indicate an invalid parameter in RA+1.	Correct problem and retry.	1EJ RPV
PPp MEMORY PARITY ERROR	Parity error detected in PPp. p Peripheral processor number	Notify customer engineer.	1SC
PP PGM NAME TABLE IS EMPTY	Informative message.	Ensure that peripheral processor library is not empty and retry.	EDITLIB
PP PROGRAM ALREADY IN PP LIBRARY	Fatal error.	Correct EDITLIB directives and retry.	EDITLIB
PP PROGRAMS NOT IN PPLIB CANNOT BE ACCESSED BY PP RESIDENT	Fatal error.	Ensure that peripheral processor programs are put into the PP library.	EDITLIB
PPLIB IS BOTH SOURCE AND DESTINATION LIBRARY	Fatal error.	Correct problem and retry.	EDITLIB
PPD	System fatal error.	Record problem and notify system analyst. Do not try to unhang system, as this may make the error more difficult to trace.	MTR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PR ID = ownname PFN = pfn PR CY = cy SN=setname size WORDS.	Informative accounting message issued when file is purged. ownname Owner name pfn Permanent file name cy Cycle number setname Set name of device on which file resides size File size (decimal)	No action required.	6PM
PRE-DAYFILE FILE NOT FOUND - ROUTING IGNORED	Predayfile specified but not found.	Correct problem and retry.	DSP
PRE-DAYFILE LFN AND NO DC=IN ROUTE IGNORED	Predayfile lfn can only be specified for DC=IN type jobs.	Correct problem and retry.	DSP
PREFIX TABLE MISSING OR RECORD IS NOT AN OBJECT DECK	Fatal error.	Correct problem and retry.	EDITLIB
PREFIX TABLE MUST BE AT LEAST 7 WORDS LONG. BINARY SKIPPED	Warning message.	Regenerate the library and retry.	EDITLIB
PREMATURE END OF INFORMATION FILE NAME - lfn	Fatal error. During a tape repositioning operation on file lfn, RESTART unexpectedly encountered end of information.	Check for assignment of incorrect reel or possible alteration of the tape after checkpoint was taken.	RESTART
PREMATURE END OF VOLUME FILE NAME - lfn	Fatal error. During a tape repositioning operation on file lfn, RESTART unexpectedly encountered end of volume.	Check for assignment of incorrect reel or possible alteration of the tape after checkpoint was taken.	RESTART
PREMATURE EOF ENCOUNTERED.	PASSWRD has detected an unexpected EOF in the password file.	Notify system analyst.	PASSWRD
(PREVIOUS ERROR CONDITION RESET)	RPV has reset the error flag and user exchange package.	No action required.	RPV
PREVIOUS MESSAGE IGNORED	Previous control statement caused no action. Either the statement has no meaning for this system or site personnel have prohibited its use.	No action required.	1AJ
PRIORITY SPECIFICATION IGNORED	Priority specified is invalid. System will assign priority.	No action required.	DSP
PROBLEM FILES FOUND	Informative message. See RECOVERY output for detailed error listing.	For public sets, notify system analyst. For private sets, notify set owner.	RECOVER
PROCESSING DIRECTIVE NUMBER dn	Informative message. dn Directive number	No action required.	EDITLIB
PROCESSING DIRECTIVES	Informative message.	No action required.	DUMPF
PROGRAM MAX REACHED. ADJUST MAXL PPNT IN EDITLIB - INSTALL NEW VER.	Fatal error.	Recompile EDITLIB with a larger value for MAXLPPNT and retry.	EDITLIB
PROGRAM NOT IN NUCLEUS	The control statement's verb was prefixed by a dollar sign (\$), but the program was not found in the system (NUCLEUS) library.	Retry after correcting the problem, or notify system analyst.	1AJ
PSI CHECKPOINT INITIATED	Operator message. Environmental conditions are abnormal and emergency power shutdown is imminent. A system level checkpoint has been initiated.	Acknowledge message and wait for PSI CONDITION CLEARED message to appear. Notify customer engineer.	1SC
PSI CONDITION CLEARED	Operator message. Environmental conditions have returned to normal without causing a power interruption.	Enter RESUME command to restart normal operations.	1SC
PUBLIC DEVICE SET NOT MOUNTED. FATAL ERROR	System software error.	Notify system analyst.	RECOVER
PUBLIC SET setname NOT MOUNTED RECOVERY NOT POSSIBLE	Informative message.	Mount devices or perform a level 0 or 1 deadstart.	IRCP
PURGE A CYCLE OF ZZZZCMR THEN TYPE N.GO	There are five cycles of ZZZZCMR with ID=SYSTEM. LDCMR cannot continue until one has been purged.	Purge a cycle of file ZZZZCMR or drop job.	LDCMR
PURGE pfn FAILED - PF RETURN CODE ec	Attempt to purge file pfn resulted in FDB return code ec. (Refer to the inside front cover.)	Notify system analyst.	TDS
PURGING ALL ZZZZCMR FILES	Informative message. Issued at deadstart when date time stamp on lowest cycle of ZZZZCMR does not match that in T.ENTRY+W.DTIME of CMR.	No action required.	LDCMR

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
PURGING CROSSED RB SYSTEM FILES	The current job is purging a system file with a crossed RB (a record block to which the system has assigned more than one file). A mode 5 RECOVER run can follow but will not show the crossed RB file. A subsequent level 0 or 1 deadstart may indicate a file that had crossed RBs but no longer does.	No action required.	TDS
Q ATTRIBUTE ILLEGAL ON PRIVATE DEVICE SET	Fatal user error. Q attribute cannot be specified for private device sets.	Remove *Q from ADDSET.	ADS
lfn Q FILE NOT ON A Q DEVICE	Operator message. I/O file does not reside on a queue device. lfn File name	Record file name and type ACK; inform owner of file that the file is no longer a queue file and notify system analyst.	1QF
Q FILES CANNOT RESIDE ON PRIVATE DEVICE SETS.	Fatal error code 26 returned to REQ calling routine.	Specify a public device set or default to system queue device.	REQ 7RQ
Q IGNORED FOR REQUEST ON PRIVATE PACK.	Informative message. *Q and *PF occurred in a REQUEST statement but SN specified a private device set.	None.	REQ 7RQ
Q REQUESTED. SHOULD xx BE ASSIGNED	Q device requested; EST ordinal xx is on-Q.	Depending on site procedures, type n.YES or n.NO.	REQ
Q SPACE LOW SN=setname	The number of record blocks available for queue files on the public set indicated has dropped to or fallen below the first (higher) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
Q SPACE NOT LOW SN=setname	The number of record blocks available for queue files on the public set indicated has risen above the first (higher) system defined threshold. setname Set name	Type ACK. to clear message.	2RN
Q SPACE NOT OUT SN=setname	The number of record blocks available for queue files on the public set indicated has risen above the second (lower) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
Q SPACE OUT SN=setname	The number of record blocks available for queue files on the public set indicated has dropped to or fallen below the second (lower) system defined threshold. The system is now in step mode. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
lfn QF TOO BIG FOR PFC	Operator message. This very large queue file needs more than 2**12 PRUs for its entry in the PFC table. Since no PFC entry exists for the file, it will not be recovered after the next level 0 or 1 deadstart.	Record file name and check with user to determine if file lfn is needed. If not, EVICT,file ord.	1QF
QLH - LOGFILE FNT NOT FOUND AT THIS CP.	A fault in postdeadstart program QLOG prevented routine QLH from establishing the system logfile. Any subsequent attempt to reference the system logfile may fail unpredictably.	Notify system analyst immediately.	QLH
QLOG - BAD STATUS FROM QLH.	PP program QLH returned an error status that prevents establishment of the system logfile.	Notify system analyst immediately.	QLOG
QLOG - INSTALLATION PARAMETER MISMATCH. TYPE *GO* TO PURGE OLD LOGFILE.	The system logfile was built with parameters which do not match those on the present system.	Notify system analyst. Enter n.GO to purge the old logfile and generate a new one. Otherwise, enter n.DROP to retain the old logfile, and deadstart an earlier (correct) system.	QLOG
QLOG - INSTALLATION PARAMETER MISMATCH. REBUILD QLOG.	Faulty system. QLOG's installation parameters do not agree with the current system.	Notify system analyst. Deadstart using an earlier (correct) system. Rebuild QLOG/system.	QLOG
QLOG - LOGFILE RECOVERED.	Informative message.	No action required.	QLOG
QLOG - PERMANENT FILE ERROR.	QLOG detected a permanent file error that prevents establishment of the system logfile.	Notify system analyst immediately.	QLOG

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF, ABORT - RESTART ATTEMPTED.	QTF aborted for an undetermined reason. The QTF procedure attempts to restart QTF by submitting a new copy to the batch queue.	None.	QTF
QTF, -n-qfn ACQUIRED, DC=dc, ST=did, DO=sid.	Informative message indicating that QTF has acquired the specified file. n Connection number qfn Queue file being transferred dc Disposition code of queue file did Destination logical identifier sid Source logical identifier	None.	QTF
QTF, -n-qfn ASSIGNED TO CONNECTION NUMBER m.	Informative message indicating that the connection number assigned by the subsystem is different from the current QTF file table index for this file. n QTF file table index qfn Queue file being transferred m Connection number assigned by subsystem	None. All subsequent messages for this file will reflect the assigned connection number, m.	QTF
QTF, ASTERISK NOT VALID HERE.	In a QTF operator command, an asterisk may only appear as a single character value.	Correct the command.	QTF
QTF, -n-qfn CONNECTING TO pid.	Informative message indicating that QTF is attempting to establish communications with remote host to transfer queue file. n Connection number qfn Queue file being transferred pid Physical identifier of remote host	None.	QTF
QTF, -n-qfn CONNECTION REJECTED.	Fatal connection error indicating that QTF was unable to establish a connection to the remote host. n Connection number qfn Queue file being transferred	If problem persists, notify remote operator to ensure remote subsystem and QTFs are operational; otherwise notify system analyst.	QTF
QTF, END OF INCLUDE FILE.	QTF has completed processing commands from an INCLUDE file or initial directives file because a file boundary was reached.	None.	QTF
QTF, -n-qfn EVICTED.	Informative message issued when QTF evicts queue file from the local queue. n Connection number qfn Queue file being transferred	None.	QTF
QTF,nnnn FILES TRANSFERRED.	Informative message issued at end of QTF session. nnnn Number of files successfully transferred	None.	QTF
QTF, FROM source - xxx.	xxx is the text of an operator command that QTF is processing. source indicates the source of the command which may be either DSD L display type-in or lfn file name from the INCLUDE command.	None.	QTF
QTF, INCLUDE FILE xxxxxxxx NOT FOUND.	xxxxxxx is the name of the file specified on an INCLUDE command. QTF could not find a file by that name, either as a local file or a permanent file with ID=RHF.	Correct the command.	QTF
QTF, INCORRECT CHARACTER.	A QTF operator command contains a character other than a letter, digit, space, +, -, =, (,), comma, or period.	Correct the command.	QTF
QTF, INCORRECT COMMAND.	QTF detected an error in an operator command. The L display command buffer points to the incorrect type-in.	Correct the command.	QTF
QTF, INCORRECT PARAMETER.	A QTF operator command has an incorrect keyword or keyword value. The L display command buffer points to the parameter in error.	Consult the HELP display for possible keywords. Correct the command.	QTF
QTF, INCORRECT RANGE VALUE.	In a QTF operator command, a range (i...j, i and j are integers) may only appear as a value parameter.	Correct the command.	QTF
QTF, INCORRECT SELECTION CLASS.	A selection class in a QTF operator command must be a single letter in the range A through L.	Correct the command.	QTF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF, INCORRECT SEPARATOR.	On a QTF operator command, use either a comma or one or more spaces to separate a parameter from the command verb or other parameters.	Correct the command.	QTF
QTF, INCORRECT VERB.	On a QTF operator command, the command verb is not recognized. (An ambiguous abbreviation may have been used. IDLE and STOP may not be abbreviated.)	Consult the HELP display for possible verbs. Correct the command.	QTF
QTF, -n-qfn INVALID QUALIFIER OR PARAMETER.	Fatal connection error. QTF received an invalid network message from the remote host QTFS. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF
QTF, -n-qfn LOG FILE NOT SENT - DSP ERROR CODE = nnnB.	Informative message indicating that QTF was unable to return error log file for rejected file to originator because DSP returned an error code. n Connection number qfn Queue file being transferred nnn Error code returned by DSP	None. If error persists, notify system analyst.	QTF
QTF, PID NOT DEFINED	The physical identifier specified on a QTF ENABLE or DISABLE operator command is unknown.	Consult the STATUS,PID display for defined pids. Correct the command.	QTF
QTF, -n-qfn QUEUED AS xxxxxxx ON pid.	Informative message indicating that the queue file has been successfully transferred to remote host. n Connection number qfn Queue file being transferred xxxxxx File name of queue file on remote host pid Physical identifier of remote host	None.	QTF
QTF, -n-qfn xxxx REJECTED BY REMOTE HOST. QTF, -n-qfn VALUE = (yyyy).	Fatal transfer error. The remote host QTFS has rejected the file transfer due to an unacceptable attribute value on the request file-transfer message. File is evicted and QTF log file returned to originator. n Connection number qfn Queue file being transferred yyyy Value of the attribute xxxx Attribute name which may be one of the following: - FILE NAME - DISPOSITION CODE - JOB NAME - DESTINATION LID - SOURCE LID - HOST PID - FILE SIZE - DATA DECLARATION - ROUTING DIRECTIVE - IMPLICIT TEXT - SYSTEM TEXT - ATTRIBUTE nn	If ROUTING DIRECTIVE, correct MFQUEUE routing directive and retry. If other attribute, correct ROUTE or MFQUEUE statement, if possible; otherwise notify system analyst.	QTF
QTF, -n-qfn REQUEUED.	Informative message issued when QTF returns queue file to the local queue if QTF was unable to successfully transfer the file to a remote host. n Connection number qfn Queue file being transferred	None.	QTF
QTF, -n-qfn REQUIRED PARAMETER MISSING.	Fatal connection error. Remote host QTFS failed to send a required parameter on a network message. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF
QTF, -n-qfn SENT TO PID xxx, PID yyy RESPONDING.	Informative message indicating that the subsystem network description table does not agree with the remote host PID returned by the remote host QTFS. The queue file transfer may complete. n Connection number qfn Queue file being transferred xxx Physical identifier of intended remote host yyy Physical identifier of actual remote host	Notify system analyst.	QTF
QTF, -n-qfn TRANSFER REJECTED BY REMOTE HOST.	Fatal transfer error. The remote host QTFS has rejected the file transfer. n Connection number qfn Queue file being transferred	None. Queue file is evicted and QTF log file returned to originator.	QTF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF, -n-qfn UNEXPECTED ACQUIRE ERROR CODE=nnnB.	QTF encountered a fatal connection error on an attempt to acquire a new file for the connection. n Connection number qfn Queue file being transferred nnn Error code	Notify system analyst.	QTF
QTF, -n-qfn UNRECOGNIZED DISPOSITION CODE.	Fatal transfer error. QTF has acquired a queue file from the local queue with an unrecognized disposition code. Refer to previously issued message for disposition code value. n Connection number qfn Queue file being transferred	None. Queue file is evicted and QTF log file is returned to originator.	QTF
QTF, -n- qfn WRONG REMOTE APPLICATION LEVEL.	QTF is unable to complete the transfer of the file assigned to connection slot n because the remote host QTFS indicates that it is using an incompatible protocol level. The transfer will be retried. qfn Queue file name.	Contact Central Software Support.	QTF
QTF, ** NOT VALID HERE.	On a QTF operator command, an equal sign (=) should only be used to separate a keyword and value.	Correct the command.	QTF
QTF, *.* NOT VALID HERE.	On a QTF operator command, an ellipsis (two periods) should only be used as part of a range value.	Correct the command.	QTF
QTF(S), -n-qfn CONNECTION BROKEN.	Fatal connection error indicating that the remote host or the remote subsystem broke the network connection usually due to an involuntary termination or failing network hardware. n Connection number qfn Queue file being transferred	If error persists, notify system analyst and customer engineer.	QTF QTFS
QTF(S), CONNECTION NUMBER NOT IN SUPERVISORY MESSAGE.	Fatal error. The connection number is missing from the supervisory message received from the subsystem.	Notify system analyst.	QTF QTFS
QTF(S), -n-qfn CONNECTION TIMED OUT.	Fatal connection error. Remote host did not respond within the allowed time span. Queue file transfer will be retried. n Connection number qfn Queue file being transferred	None. If error persists, notify system analyst, and disable remote host pid in subsystem ID table.	QTF QTFS
QTF(S), -n-qfn CONNECTION TO pid ABORTED. QTF(S), -n-qfn CONNECTION TO pid ENDED. QTF(S), -n-qfn CONNECTION TO pid ESTABLISHED.	Informative messages indicating state of connection to remote host. n Connection number qfn Queue file being transferred pid Physical identifier of remote host	None.	QTF QTFS
QTF(S), -n-qfn ERROR IN FILE TRANSFER.	Informative message indicating that transfer of the queue file was unsuccessful. n Connection number qfn Queue file being transferred	None. If error persists, notify system analyst.	QTF QTFS
QTF(S), FATAL REQ ERROR = nnB.	Fatal error indicating that error code nn was returned on a call to REQ.	Notify system analyst.	QTF QTFS
QTF(S), -n-qfn FC/BRK RECEIVED.	Fatal connection error indicating that the remote host broke the network connection because of an unrecoverable protocol anomaly. n Connection number qfn Queue file being transferred	If error persists, notify system analyst.	QTF QTFS
QTF(S), -n-qfn FC/NAK RETRY COUNT EXCEEDED.	Fatal connection error indicating that the subsystem was unable to deliver a network message. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS
QTF(S) -n- qfn FIRST KEYWORD IS NOT *ROUTE*.	The MFQUEUE routing directive must begin with the keyword ROUTE.	Correct the MFQUEUE routing directive.	QTF,QTFS
QTFS, -n-qfn INVALID ATTRIBUTE IGNORED.	Informative message indicating that QTFS received a network message from the remote host QTF with an unrecognized parameter. Transfer of queue file may complete. n Connection number qfn Queue file being transferred	Notify system analyst.	QTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF(S) -n- qfn INCORRECT EC FOR THIS QUEUE TYPE.	The external characteristics (EC) value specified on a MFQUEUE routing directive does not match the disposition code of the file.	Correct the MFQUEUE routing directive using a print-type EC value if the file is a print file or a punch-type EC value if the file is to be punched.	QTF,QTFS
QTF(S) -n- QFN INCORRECT VALUE (xxx).	An incorrect keyword, xxx, was specified on an MFQUEUE routing directive.	Correct the MFQUEUE routing directive.	QTF,QTFS
QTF(S) -n- QFN INCORRECT VALUE (xxx=yyy).	An incorrect value, yyy, was specified for keyword xxx on an MFQUEUE routing directive.	Correct the MFQUEUE routing directive.	QTF,QTFS
QTF(S), -n-qfn INVALID SEQUENCE RECEIVED.	Fatal connection error. A network message from the remote host was received that was not in sequence. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS
QTF(S), JOB ORIGIN ERROR.	QTF or QTFS was improperly initiated by user command.	None. QTF and QTFS are automatically initiated by the subsystem as needed.	QTF QTFS
QTF(S), -n-qfn MESSAGE FROM REMOTE HOST - QTF(S), -n-qfn xxx...	Informative message. n Connection number qfn Queue file being transferred xxx Text of message received from remote host	None.	QTF QTFS
QTF(S), NETON REJECT, CODE nn - xxxx.	QTF or QTFS was unable to establish communications with the RHF subsystem due to one of the following conditions: nn xxxx 01 SUBSYSTEM UNAVAILABLE 02 SUBSYSTEM FULL 03 APPLICATION DISABLED 04 APPLICATION NAME UNKNOWN 05 ILLEGAL NETON 06 INVALID ACN VALUE 07 ALREADY NETTED ON Other (UNRECOGNIZED CODE)	If SUBSYSTEM UNAVAILABLE, initiate subsystem. If APPLICATION DISABLED, enable application in subsystem application table. Otherwise, notify system analyst.	QTF QTFS
QTF(S), -n-qfn NETWORK BLOCKS OUT OF SEQUENCE.	Fatal connection error. A network message from the remote host was received that was not in sequence. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS
QTF(S), NETWORK IDLEDOWN IN PROGRESS.	Informative message indicating that the operator has initiated subsystem idledown.	None. QTF will not initiate any new transfers and will terminate upon completion of any transfers in progress.	QTF QTFS
QTF(S) NETWORK MESSAGE BLOCK SIZE ERROR.	Fatal error. QTF or QTFS was unable to receive a network message due to its size.	Notify system analyst.	QTF QTFS
QTF(S), NETWORK SHUTDOWN.	Informative message indicating that the subsystem is terminating immediately. All transfers are aborted and QTF will requeue any files in progress.	None.	QTF QTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF(S), -n- qfn NETXFR ERROR rc - rejmess	An error occurred during file transfer. n connection number qfn queued file name rc reason code rejmess reject message rc rejmess 03 CONNECTION BROKEN 04 PROTOCOL ERROR 05 TIMEOUT EXPIRED 06 BLOCK NOT SENT 07 TOO MANY TRANSFERS 08 ACN OUT-OF-RANGE 09 CIO ERROR 13 IDLEDOWN ERROR 14 SHUTDOWN 15 RHF I/O ERROR 16 INCORRECT DEVICE 17 CODE CONV N/A. (not available) 18 CONTROL WORD ERROR 19 INCORRECT DEVICE 20 EMPTY FILE 21 NAM INTERFACE ERR 22 BLK NUM MISCOMPARE 23 INCORRECT BLK SIZE 25 BLOCK SEQUENCE ERR 26 PRU BOUNDS ERROR 27 INTRA-HOST PRU XFR 28 ERROR DURING XFR 29 ABL OUT OF RANGE 30 APPL NOT VALIDATED 31 FILE TYPE ERROR 32 JOB ORIGIN ERROR	If problem persists, inform site analyst.	QTF QTFS
QTFS, qfn QUEUED AS xxxx FROM pid.	Informative message indicating that the queue file has been successfully transferred from remote host to this mainframe. n Connection number qfn Queue file being transferred xxxx Name of queue file on this mainframe pid Physical identifier of remote host	None.	QTFS
QTFS, -n-qfn RECEIVING, DC=dc, ST=did, DO=sid.	Informative message. QTFS is receiving queue file from the remote host QTF. n Connection number qfn Queue file being transferred dc Disposition code of queue file did Destination logical identifier sid Source logical identifier	None.	QTFS
QTF(S), -n-qfn ROUTE ERROR nnB - xxxx.	Fatal transfer error. QTFS was unable to queue the file. n Connection number qfn Queue file being transferred nn DSP error code xxxx One of the following): - (CONTACT SITE ANALYST) - INVALID DISPOSITION CODE - INVALID ST OR DO LID - INVALID TERMINAL ID - INVALID FORMS CODE - INVALID JOB STATEMENT - INVALID FILE ID - FNT FULL (RETRY LATER)	If RETRY LATER, no action is required; QTF will periodically retry to transfer the file until the temporary condition clears. For all other reasons, the file is evicted and the logfile returned to originator. Correct the ROUTE statement or MFQUEUE routing directive, if possible; otherwise notify system analyst.	QTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QTF(S), -n-qfn TRANSFER xxxx BY REMOTE HOST. QTF(S), -n-qfn REASON CODE = nnnn. QTF(S), -n-qfn REASON CODE = nnnn - rejmess	QTF or QTFS has been informed by its remote host partner that the current queue file transfer cannot be initiated or completed. n Connection number qfn Queue file being transferred xxxx REJECTED, TERMINATED, or ABORTED nnnn Reason code rejmess Rejection message	Refer to the separate listing of rejmess in last line of message for appropriate action.	QTF QTFS
rejmess (CONTACT SITE ANALYST). PROTOCOL ERROR.	An unexpected reason code was received. Fatal transfer error. The remote host detected a protocol anomaly.	Notify system analyst. None. Queue file is evicted and QTF logfile is returned to originator.	
TIME-OUT MATURED.	Remote host did not receive message within the allowed time span.	None. File transfer will be retried. If error persists, notify system analyst.	
SENDER PROBLEMS.	Unspecified problems were encountered on the sending (QTF) side.	None. File transfer will be retried. If error persists, notify system analyst.	
RECEIVER PROBLEMS.	Unspecified problems were encountered on the receiving (QTFS) side.	None. File transfer will be retried. If error persists, notify system analyst.	
FILE SIZE TOO BIG.	Fatal transfer error. The file is too large to be accomodated on the remote host or not enough space was preallocated.	None. Queue file is evicted and QTF logfile is returned to originator.	
INVALID USERNAME/ACCOUNT.	Fatal transfer error. An invalid or missing account or username was detected on the remote host.	None. Queue file is evicted and QTF logfile is returned to originator.	
UNSPECIFIC TRANSFER.	Fatal transfer error. Insufficient information was received by the remote host to allow the transfer to continue.	Notify system analyst. Queue file is evicted and QTF logfile is returned to originator.	
QUEUE TYPE UNAVAILABLE.	Fatal transfer error. The disposition code requested on the ROUTE command or MFQUEUE routing directive could not be processed on the remote host. For example, an attempt was made to transfer a print file to a CYBER 200 remote host.	None. Queue file is evicted and QTF logfile is returned to originator.	
UNACCEPTABLE ATTRIBUTES.	Fatal transfer error. An invalid attribute value was received by the remote host.	None. Queue file is evicted and QTF logfile is returned to originator.	
QTF(S), nn TRANSFERS ACTIVE.	Indicates the number of currently active connection slots. *IDLEDOWN* appears if QTF is attempting to idledown as a result of the IDLE QTF operator command or due to subsystem idledown.	None.	QTF QTFS
QTF(S), -n-qfn UNKNOWN STATE-OF-TRANSFER SENT BY REMOTE HOST. QTF(S), -n-qfn REASON CODE = nnnnnn - (CONTACT SITE ANALYST).	Fatal connection error. An unrecognized value, nnnnnn, for the state-of-transfer attribute was received on a network message from the remote host. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS
QTF(S), -n-qfn UNRECOGNIZED COMMAND RECEIVED.	Fatal connection error. The command sent by the remote host is not recognized. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS
QTF(S), -n-qfn UNRECOGNIZED MESSAGE RECEIVED.	Fatal connection error. The network message from the subsystem is not recognized. n Connection number qfn Queue file being transferred	Notify system analyst.	QTF QTFS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
QUAD m-n FATAL SECCED ERROR	Operator message. Double-bit central memory error in quadrant m of CSU n.	Note quadrant and CSU numbers. Acknowledge message and wait for CHECKPOINT COMPLETE message. Notify customer engineer.	1SC
QUEDUMP TERMINATED BY OPERATOR	Informative message.	No action required.	QUEDUMP
QUEUE FILES DROPPED FROM FNT TYPE GO TO CONTINUE lfn1 lfn2 lfn3	FNT entries have been deleted for input or output files with outstanding 1&F calls. lfn File name	Type GO to continue deadstart recovery.	IRCP
RANDOM FILE IS INVOLVED (CKP)	CHECKPT/RESTART cannot handle nonpermanent random files.	Either catalog file or change its organization.	CKP
RB CONFLICT ON DEVxx device CHcc Eqe UNuu VSN vsn OF SN setname RBR ORD rbr RB rb RECOVERY NOT POSSIBLE	Informative message. xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name rbr RBR ordinal rb Record block number	Perform a level 1 deadstart.	IRCP
RB rb IN RBR rbr AT RBT LOC addr WAS NOT SET TYPE GO TO CONTINUE	Informative message. rb Record block number rbr RBR ordinal addr RBT address	Type GO to use RB. Otherwise, redeadstart.	IRCP
RB SIZE TOO SMALL FOR THE FIRST RBR OF EACH DEVICE	User error. The number of PRUs per RB specified on allocation input card must be greater than or equal to 2.	Correct problem and retry.	LABELMS
RBO ILLEGAL-LABELMS	Fatal system error.	Notify system analyst.	LABELMS
RBR DIRECTIVES ILLEGAL FOR 819 DEVICE	Fatal user error.	Remove directives and retry.	LABELMS
RBR ENTRY FOR EST NOT FOUND - DSM	Fatal system error.	Notify system analyst.	DSM
RBR HEADER NOT FOUND	Fatal system error.	Notify system analyst.	RECOVER
RBR NOT FOUND	Fatal system error. RBR scan by EST unsuccessful.	System analyst should take PP and CM dumps.	LBL
RBR ORDINAL INVALID AT RBT LOC addr TYPE GO TO CONTINUE	Informative message. addr RBT address	Type GO to end validation of this word pair chain.	IRCP
RBR PRU ERROR	INTERCOM problem.	Notify system analyst.	111
RBR TOO LARGE - LABELMS	Fatal system error. Flaw table requires bit table less than or equal to 64 words.	Notify system analyst.	LABELMS
RBT CHAIN TOO LARGE FOR PFC	Fatal user error. (FDB return code = 042B.) Error code passed to 1PD by PFE, PFC. Number of word pairs assigned to file is too large for PFC table.	Correct problem and retry.	1PD
RBT CHANNEL WAS RESERVED RBT CHAINS MAY BE BAD TYPE GO TO CONTINUE	Informative message.	Notify system analyst.	IRCP
RBT DELIMITER LOST RECOVERY ABORTED	RBT area unrecoverable.	Perform a level 0 or 1 deadstart.	IRCP
RBT-RBTC DISAGREE	System error; conditionally hung PP if file resides on system, queue, or permanent file default pack.	If PP is hung, notify system analyst; otherwise, no action is required. If the file is on a user pack and an attempt is made to attach the file, PFA will request that the operator run RECOVER.	1PC
RBTC FILE ERROR	Fatal system software error.	Retry.	DUMPF
READ ERROR	Fatal error. Parity error occurred during read input tape.	Rewind tapes and restart the patching of the CTI/HIVS tape.	BNP
READ ERROR STATUS - DSM	Device hardware problems.	Notify system analyst.	DSM
READ-FN. BEG 1P TID=tid or END	This message indicates the beginning or the ending of an INTERCOM 5 remote batch input file that is being read as the result of a READ, filename command. tid Terminal ID of the terminal using the file	No action required.	1NP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
READ OR SKIPF AFTER WRITE	Returns to user if EP bit is set, otherwise fatal.	Correct problem and retry.	3IM 6WM
READ PARITY ERROR IRRECOVERABLE	Control returned to user if EP bit is set; otherwise waits for operator response.	Type GO to ignore parity error; type RECHECK to try to reread bad block.	3IM
READ PARITY ERROR RECOVERED	Informative message.	No action required.	3IM
READ PERMISSION NOT GRANTED	Fatal error, code 22. Read function issued to a file for which read permission was not granted.	Correct problem and retry.	6WM
READ PYRAMID PARITY ERROR	Parity error on data from CM to PPU.	Notify customer engineer.	1SC
READ RECORD BLOCK ERROR	Fatal system software error.	Retry.	PFD
READ/WRITE PRU ERROR	Fatal hardware error.	Notify system analyst.	RECOVER
READING DAM CHAIN	Informative message.	No action required.	RECOVER
READING FLW CHAIN	Informative message.	No action required.	RECOVER
READING FLW TABLE	Informative message.	No action required.	RECOVER
READING PAM	Informative message.	No action required.	RECOVER
READING PFC CHAIN	Informative message.	No action required.	RECOVER
READING PFD CHAIN	Informative message.	No action required.	RECOVER
READY MUST PRECEDE A CHANGE	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A COMPLETE	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A INCLUDE	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A INCLUDEP	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A LISTLNT	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A REMOVE	Informative message.	Correct problem and retry.	EDITLIB
READY MUST PRECEDE A TRANSFER	Informative message.	Correct problem and retry.	EDITLIB
READY OR LIBRARY MUST PRECEDE A MOVE	Informative message.	Correct problem and retry.	EDITLIB
REASON FOR SSF CALL UNKNOWN	Only known way to get this message is to call SSF without recall and then change a function code before function has been completed.	Correct problem and retry.	SSF
REASSEMBLE MTR WITH IP.XJ=0	MTR is assembled with IP.XJ .GT. 0 and CMR is assembled with IP.XJ .LE. 0. This combination cannot be used.	Notify system analyst.	MTR
REC LEVEL 1-16 LOST TO S/L TAPE OUTPUT	Informative message.	No action required.	COPYBR COPYCR COPYBF COPYCF
xxxxxxxxx RECEIVED WITH ERR ec FROM pid	Informative message indicating supervisory message xxxxxxxxxx is received with error code ec from mainframe with physical identifier pid.	Notify system analyst.	MFINT
RECORD COUNT GT 2**18-1	Informative message.	Reduce record count to 2**18-1 or less and retry.	COPYCR COPYBR
RECORD FRAGMENT	Fatal error.	Reheadstart using different tape or unit.	CONTROL
RECORD FRAGMENT ENCOUNTERED	Informative message. GO or DROP. GO implies system accepts block as a correct size tape block. A non-SCOPE or SI format was read.	Correct tape or read as an S tape.	3IM
RECORD NOT FOUND rtype/rname	The system could not find on the old record file a record matching the name and type defined in the NAME directive. rtype Record type rname Record name	Ensure that the name and type of records defined in the NAME directive match those of records in the old record file and then retry.	BINEDIT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RECORDING MODE PARAMETER CONFLICTS WITH EXISTING LABEL TYPE - GO/DROP	Informative operator message. User attempted to rewrite a label using a recording mode other than mode of original label. New recording mode may conflict with data in pack.	Drop job unless absolutely sure new recording mode is correct. If sure, type GO and label is rewritten with new recording mode.	RELABEL
RECOVERED RMS ERROR FILE NAME lfn FET ADDRESS addr DETAIL STS dddd dddd dddd dddd dddd dddd dddd dddd dddd dddd STATUS ssss cccc EQxx TRYnn ADDR aaaa bbbb RECORDED ADDR pppp qqqq	Nonfatal error. Mass storage device error was corrected after nn (octal) attempts to read/write a PRU. Controller status ssss, converter status cccc, EST ordinal xx, address of bad PRU aaaa bbbb, physical address pppp qqqq are all octal. The DETAIL STS line appears only for 844-21 and 844-41 disk units and gives detailed status information about the error. Only first three lines appear in job dayfile. Pack may be deteriorating or drive heads may need adjustment.	Notify customer engineer.	1SX
RECOVERED RMS ERROR FILE NAME lfn FET ADDRESS addr RMS ERROR INFORMATION LOST	Mass storage device error was corrected but error information was lost because of concurrent RMS hardware error. lfn File name addr FET address	Notify customer engineer.	1SX
RECOVERING LOGFILE BITMAP	Informative message.	No action required.	1QF
RECOVERY NOT POSSIBLE	Recovery deadstart failed.	Perform a level 0 or 1 deadstart and notify system analyst.	IRCP
REDUNDANT PO OPTIONS IGNORED	Informative message. User specified options for PO parameter on LDCMR statement that were already covered by other specified PO options.	No action required. User may wish to check for and remove redundant options.	LDCMR
RELEASE ILLEGAL ON PERMANENT FILE	Fatal error, code 22. Code return is dependent on error processing bit setting.	Correct problem and retry.	RECOVER
RELOCATABLE PGM NAME prog DOES NOT HAVE AN ENTRY POINT	Fatal error. prog Program name	Insert an entry pseudo instruction into the program and retry.	EDITLIB
REMAINDER OF CARD SKIPPED	Informative message.	Retry.	EDITLIB
\$REMOUNT PACK ON EST=xx ON SHARED DRIVE or \$REMOUNT PACK ON EST=xx ON UNSHARED DRIVE	A job attempted to mount a member pack on a drive having a shared attribute different from that of the drive on which the master pack is mounted. xx EST ordinal	Move the member pack to a drive having the same shared attribute as that of the master.	MNT
REMOUNT PACK ON FT DRIVE	Informative operator message. A pack with a full-track recording mode was put on a drive inaccessible by a 7154 controller.	MNT turns off EST entry automatically. Operator should not turn it on until pack is moved to a drive with 7154 controller access.	MNT
REMOVE IS INVALID BETWEEN A LIBRARY AND A FINISH	Informative message.	Correct problem and retry.	EDITLIB
REMOVE S/L FROM REQUEST CARD	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
REMOVING EDITLIB LOCKOUT	LDCMR has returned files ZZZZ01, ZZZZ02, and ZZZZ23. LDCMR has modified these files to reflect new directory.	No action required.	LDCMR
REPRIEVE ABORTED CHECKSUM BAD	An attempt was made to reprieve job after an error, but recovery routine's checksum was in error.	Correct problem and retry.	RPV
REPRIEVE ABORTED NOT IN FL	Recovery routine not in field length.	Correct problem and retry.	RPV
REPRIEVE ABORTED SYSTEM ERROR	System error - unknown error flag.	Notify system analyst.	RPV
REPRIEVE ROUTINE NOT IN FL	Recovery routine not in field length.	Correct problem and retry.	RPV
REPRIEVE SET	Informative message.	Type RPV if reprieve processing is desired.	DIS
REQ HUNG ON FLERROR. DUMP	System error.	Notify system analyst.	REQ

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
REQUEST ABORTED	User's request for equipment was aborted.	Correct problem previously diagnosed and retry.	REQ REQUEST
REQUEST EQ AND VSN...	Operator action request.	Enter n.PACK command.	LBL
REQUEST FOR ARCHIVED FILE-GO OR DROP	Operator action request.	Type j.GO to cause archive retrieval job to load the permanent file.	1PF
REQUEST TAPE	Informative message.	Assign tape to blank tape, dump, or load utility.	DMPQ RESQ
REQUESTED RING AND NORING	Bad request parameter.	Correct problem and retry.	REQ
dt REQUESTED. SHOULD A* BE ASSIGNED	dt is the device type requested. Operator is trying to assign any RMS.	Type n.YES to allow operator to assign any RMS. Otherwise type n.NO.	REQ
yy REQUESTED. SHOULD xx BE ASSIGNED	yy is Q, SD, or PF. EST xx is not a device of the specified type.	Type n.YES to allow the operator to assign the indicated EST ordinal. Otherwise type n.NO.	REQ
REQUIRED OCTAL PARAMETER IS MISSING	Informative message.	Correct problem and retry.	EDITLIB
RERUN FORCED BY DEADSTART RECOVERY	Job was rerun because it was at a control point during deadstart recovery.	No action required.	TDS
RESERVED FILE NAME	The file name specified on the L parameter is a reserved filename. (ZZZZDF, SCR).	Correct the problem and retry.	DAYFILE
RESET NOT DEFINED FOR A USERS EDITLIB	Informative message.	Remove RESET parameter from EDITLIB control statement and retry.	EDITLIB
RESIDENCE ERROR FOR prog TO PROCEED ENTER NEW RESIDENCE CM - CM RESIDENCE DS - RMS DEVICE RESIDENCE	Illegal residence parameter occurred during loading. prog Program name	Correct parameter and retry.	IRCP
RESIDENCE OF prog CHANGED FROM ECS TO DISK	PP overlay resident in ECS could not be loaded. A subsequent message describes the error in more detail. prog Program name	Notify system analyst.	CEM
RESIDENCE OF rte CHANGED TO RMS	Residence of the routine rte is changed to RMS.	Notify system analyst.	CEM
RESIDENCY PARAMETER -ECS- INVALID DURING DEADSTART CREATION	Informative message.	Correct problem and retry.	EDITLIB
prog RESIDES IN ECS SINCE lib LIBRARY NOT IN CM	EDITLIB changed the EM parameter to ECS because the library does not reside in central memory. prog Program name lib Library name	Change the library residence to CM or ignore message.	EDITLIB
prog RESIDES ON DISK SINCE LIBRARY lib NOT IN CM	Program cannot reside in central memory unless library directory does. prog Program name lib Library name	Change library residence to central memory CM or ignore message.	EDITLIB
RESTART	Replaces INTERCOM display on right screen during INTERCOM error recovery.	No action required.	1I1
RESTART COMPLETE	Informative message. Response to successful restart.	No action required.	RESTART 1RC
RESTART NOT PERMITTED IN PROCEDURE	Fatal user error. User put RESTART statement in a CCL procedure.	Remove RESTART statement and any statements related to RESTART from procedure, and place in job control statement record.	RESTART
RESTART NUMBER TOO BIG (RESTART)	Checkpoint number specified on control statement is larger than last checkpoint on tape. Possibly had wrong tape mounted or overwrote tape.	Correct problem and retry.	RESTART
RESTORE NOT DEFINED FOR A USERS EDITLIB	Informative message.	Remove RESTORE parameter from EDITLIB control statement and retry.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RESTORED jobname,q=did/tid	Informative message. jobname Name of job or file being restored q Queue in which the job or file is located I Input O Output P Punch E Execute S Special J JANUS	No action required.	GEMINI
lfn RESTORED	Informative message issued during deadstart queue=file recovery. lfn File name	No action required.	1QF
RESTORING ECS E =nnnnnnn	Counter indicating words of EM restored from checkpoint file.	No action required.	IRCP
RETENTION PERIOD TOO LONG, MAX USED	Informative message. Value for retention period is too large.	Change parameter value.	PFR
RETURN, REWIND, OR UNLOAD MUST HAVE AT LEAST ONE PARAMETER	Informative message. No parameters were specified.	Correct problem and retry.	RETURN
REWRITE REQUIRES MODIFY PERMISSION	Fatal error, code 22.	Correct problem and retry.	4ES
RFL, 1200. (CKP)	Informative message. Indicates CKP had to change field length to 1200B words.	No action required.	CKP
RHF, jobnnnn ACNaaaa ACCOUNTING OVERFLOW-ADD 32767 TO message	Connection number aaaa of the application with job name jobnnnn has had an accounting overflow. 32767 must be added to the appropriate field of the accounting message that is issued when a connection is terminated. Message is one of the following: BLOCKS SENT BLOCKS RECEIVED ACKS SENT ACKS RECEIVED This message is issued every time an overflow occurs.	No action required.	RHF
RHF, jobnnnn ACNaaaa DISCONNECT BLOCKS SENT=bssss RECEIVED=brrrr RHF, jobnnnn ACKS SENT=kssss, ACKS RECD=krrrr, PATH ID=id, CH=cc	The application with job name jobnnnn terminated its connection number aaaa. The connection had path-id id and used the NAD in (hexadecimal) on channel cc. aaaa Number assigned to this connection (application connection number or ACN) bssss Number of blocks sent by the application to RHF for transport across the LCN network brrrr Number of blocks received by the application from RHF kssss Number of acknowledgements sent by RHF for blocks sent by the remote application (and later received by the local application) krrrr Number of acknowledgements received by RHF for blocks sent by the application id Connection path identifier in hexadecimal cc Channel number in octal	No action required.	RHF
RHF, APPLICATION DISABLED FOR NETON	The requested application is disabled. The application does not abort.	No action required.	RHF
RHF, APPLICATION IS NOT NETTED ON	A NETON request to RHF did not precede the application's request for an RHF function. The application is aborted.	Correct error in application.	RHF
RHF, jobnnnn APPLICATION IS NOT NETTED ON	The application with job name jobnnnn requested an RHF function before requesting a NETON to RHF. RHF aborts the application.	No action required.	RHF
RHF, APPLICATION NOT VALIDATED FOR CTRL/INFO/R	The application issuing a CTRL/INFO/R supervisory request is not system origin and is aborted. All CTRL/INFO/R requests, except the request for logical identifier to physical identifier mapping, require the application to be system origin.	Make the application a system origin job.	RHF
RHF, jobnnnn APPLICATION NOT VALIDATED FOR CTRL/INFO/R	The application with job name jobnnnn issued a CTRL/INFO/R supervisory request without the required system origin privileges.	Notify system analyst.	RHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RHF, BAD TCU ON PATH id, PATH TURNED OFF.	Informative message to operator that PATH id is turned off. id Ordinal number in hexadecimal assigned to PATH by NAD	Notify customer engineer and/or system analyst.	RHF
RHF, jobnnnn BUFFER ADDRESS ERROR IN CTRL/INFO/R	The buffer specified in the CTRL/INFO/R supervisory request for the network description table is outside the requesting application's field length. The application is aborted.	No action required.	RHF
RHF, BUFFER ADDRESS ERROR IN CTRL/INFO/R	The buffer specified in the CTRL/INFO/R supervisory request for the network description table is outside of the application's field length. RHF aborts the application.	Correct error in application.	RHF
RHF, jobnnnn CONNECT TO applnam LID=lid PID=pid REJECTED RHF, jobnnnn - rejmess	RHF rejected connection request to application applnam for the reason given in the rejmess. jobnnnn Application job name lid Logical identifier of the remote mainframe pid Physical identifier of the remote mainframe	Refer to the separate listing of the last line message (RHF, jobnnnn - rejmess) for the appropriate action.	RHF
REQUESTED APPLICATION NOT AVAILABLE	Requested remote application is invalid, not running, disabled, no additional connections are allowed to the running application, or no new applications could be started on the remote mainframe.	Take corrective action and retry.	
RHF SHUTDOWN IN PROGRESS	RHF is being shut down.	No action required.	
NO NEW CONNECT REQUESTS - MAX REACHED	No new connection requests allowed because the maximum number of connections has been reached.	Wait and retry.	
LID/PID/NAD DISABLED AT DESTINATION	One of the following occurred: - For the remote RHF the requested LID or the requestor's PID is not valid - Requested LID or requestor's PID is disabled in remote RHF configuration - Remote NAD is not enabled in remote RHF configuration - Path on which connection request was received is not enabled	Contact remote RHF operator or notify system analyst.	
NAD RESOURCE LIMIT REACHED	Informative message.	Wait and retry.	
DESTINATION DOES NOT RESPOND	No response received from remote host.	Contact remote host operator to determine cause of error or notify system analyst.	
LID/PID/NAD/DISABLED AT SOURCE	Connection request denied because of one of the following: - LID or PID disabled - Path is not enabled - NAD is not enabled	Determine the cause of the error by checking the EST and RHF's L-display. Correct the problem and retry.	
REMOTE RHF SHUTDOWN IN PROGRESS	Remote RHF is being shut down. No new connections accepted.	No action required.	
UNKNOWN REMOTE RHF REJECT CODE xx	Connection request rejected, and RHF does not recognize the reason for the reject. The rejection code is xx in hexadecimal.	Notify system analyst.	
SUBSYSTEM PASSWORD REMOTE REJECT	The remote RHF rejects the local RHF subsystem password.	Notify system analyst.	
RHF, jobnnnn CONNECTED TO applnam LID=lid PID=pid ACN=aaaa PATH ID=id CH=cc	RHF accepted connection request to application applnam. jobnnnn Application job name lid Logical identifier of the remote mainframe pid Physical identifier of the remote mainframe aaaa Application connection number id Connection path identifier in hexadecimal cc Channel number in octal	No action required.	RHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RHF, jobnnn COULD NOT BE ABORTED	The application with job name jobnnn has been aborted by RHF for committing a fatal error and has not committed a second fatal error. RHF forces a NETOFF of the application.	Notify system analyst.	RHF
RHF, DUPLICATE NETON REQUEST	Two NETON requests were made for the same application without an intervening NETOFF request. RHF aborts the application.	Remove the second NETON request or add the missing NETOFF request.	RHF
RHF, jobnnn FATAL SSF ERROR. FC=fc, RC=rc.	The application with job name jobnnn has been aborted by RHF after RHF received an SSF error. (rc) on an SSF request (fc).	Notify system analyst.	RHF
RHF, FATAL SSF ERROR. FC=fc, RC=rc.	Upon receiving a fatal reply code (rc) from an SSF request (fc), RHF has aborted itself or the offending application.	Notify system analyst.	RHF
RHF, jobnnnn INVALID parameter addr	An application with job name jobnnnn has been aborted by RHF for issuing a request with an address that is not within the application's field length. parameter Explanation HEADER ADDRESS From a NETGET or NETPUT request. TEXT ADDRESS From a NETGET or NETPUT request. FET PRAM. FET= From a NETXFR request. This can be the FET address or a FET buffer pointer. SSF UCP ADDRESS From any address given in an application request which RHF uses in an SSF request. addr Invalid address. FET address if it is FET buffer pointer error.	Notify system analyst.	RHF
RHF, INVALID parameter addr	RHF has aborted this application for issuing a request to RHF that included a parameter address that was not within the application's field length. parameter Explanation HEADER ADDRESS From a NETGET or NETPUT request. TEXT ADDRESS From a NETGET or NETPUT request. FET PRAM. FET From a NETXFR request. This can be the FET address or a FET buffer pointer. SSF UCP ADDRESS From any address given in an application request which RHF uses in an SSF request. addr Invalid address. FET address if it is FET buffer pointer error.	Notify system analyst.	RHF
RHF, INVALID APPLICATION CALL TO RHF	An application issued an invalid RHF call such as an illegal RHF function, a request (other than NETON) from an application with an end of job connect, or an incorrect or an invalid word count in the RHF call. RHF aborts the application.	Correct error in application and retry.	RHF
RHF, jobnnnn INVALID APPLICATION CALL TO RHF	The application with job name jobnnnn issued an invalid RHF call. The call may contain an illegal RHF function, or an invalid word count, or the calling application may have an end-of-job connect status. RHF aborts the application.	No action required.	RHF
RHF, INVALID APPLICATION NAME ON NETON	An application issued a NETON request using an application name that was not in RHF's configuration or that contained illegal characters. The application is aborted.	Correct name in the application NETON call or add the application name to RHF's configuration.	RHF
RHF, jobnnnn INVALID APPLICATION TABLE ADDRESS	In an RHF call the application with job name jobnnnn used an incorrect application table address. (The address may be out of range or may point to another application table.) RHF aborts the application.	No action required.	RHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RHF, INVALID APPLICATION TABLE ADDRESS	In an RHF call an application used an incorrect application table address. (The address may be out of range or may point to another application table.) The application is aborted.	Correct error in application.	RHF
RHF, INVALID CONTROL MESSAGE FOR aplname on ACNaaaa RECEIVED.	An incoming control message for application aplname on ACNaaaa is not a valid control message. aaaa Application connection number	Notify customer engineer and/or system analyst.	RHF
RHF, INVALID MINACN/MAXACN ON NETON	The value for MINACN or MAXACN in the NETON request is outside the range specified for the application. The application is aborted.	Correct MINACN or MAXACN in the application's NETON request.	RHF
RHF, MHF APPLICATION DISABLED	Automatic dumping and loading of a NAD stopped because application MHF is disabled in RHF's tables.	Enable application MHF in RHF's tables.	RHF
RHF, MHF APPLICATION NOT DEFINED	Initial loading of local NAD, or automatic dumping and reloading of NAD stopped because application MHF is not defined in RHF's tables.	Correct the RHF configuration file by defining application MHF, and restart RHF.	RHF
RHF, NAD CODE CONVERSION ENABLED. (EST=xxx,NB=yy,NP=zz)	Informative message indicating code conversion has been enabled in the NAD on EST entry. xxx EST ordinal yy Number of convert mode buffers reserved zz Number of convert mode paths allowed	No action required.	RHF
RHF, NAD CODE CONVERSION NOT AVAILABLE. (EST=xxx)	Informative message indicating the NAD on EST entry xxx does not have controlware or enough memory to perform NAD code conversion.	If NAD code conversion is supposed to be available, notify system analyst.	RHF
RHF, NAD on ESTxx HAS BEEN TURNED OFF.	Informative message to operator that the NAD on ESTxx in octal is turned off.	Notify customer engineer and/or system analyst.	RHF
RHF, jobnnnn NETOFF AS aplname	Informative message indicating application aplname with the job name of jobnnnn ended access to RHF.	No action required.	RHF
RHF, jobnnnn NETON AS applnam ACCEPTED ACN=mina/maxa	Informative RHF message indicating successful NETON of the application with job name jobnnnn and application name of applnam. The MINACN and MAXACN values specified in the NETON request were mina and maxa, respectively.	No action required.	RHF
RHF, jobnnnn NETON AS applnam REJECTED ACN - mina/maxa RHF, jobnnnn - rejmess	The application with job name jobnnnn made a NETON request with application name applnam and MINACN and MAXACN values of mina and maxa, respectively. RHF rejected NETON request for the reason given in rejmess.	Refer to the separate listing of the last line message (RHF, jobnnnn - rejmess) for the appropriate action.	RHF
NO MORE TABLE SPACE FOR NETON	No more table space available. RHF does not abort application.	Retry later.	
NO MORE aname SPACE FOR NETON	All allowable applications with the requested application name aname are netted on.	Retry the NETON request later.	
APPLICATION DISABLED FOR NETON	The requested application is disabled. RHF does not abort the application.	Notify system operator to enable application and retry.	
INVALID APPLICATION NAME ON NETON	RHF does not recognize the application name in the NETON request. RHF aborts the application.	Retry and specify a valid application name.	
INVALID MINACN/MAXACN ON NETON	The value of MINACN or MAXACN in the NETON request is outside the range specified for the application. RHF aborts the application.	Correct the value for MINACN or MAXACN.	
NETON SECURITY VIOLATION	The application is not validated to do a NETON request. RHF aborts the application.	No action required.	
DUPLICATE NETON REQUEST	Two NETON requests were made for the same application without an intervening NETOFF request.	Remove the duplicate NETON or add a NETOFF request.	
RHF, NETON SECURITY VIOLATION	An application is not validated to do a NETON request. RHF aborts the application.	No action required.	RHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RHF, NO APPLICATION ADDRESS IN RHF CALL--EXTRA CHARGE	Informative message indicating an application issued an RHF request (other than NETON) without specifying an application table address in the RHF call. (The application is charged less if it specifies its application table address in each RHF call.)	No action required.	RHF
RHF, jobnnnn NO APPLICATION ADDRESS IN RHF CALL--EXTRA CHARGE	Informative RHF message indicating the application with job name jobnnnn issued an RHF request (other than NETON) without specifying an application table address in the RHF call. The application is charged less if it specifies an application table address in each RHF call. This informative message is issued only once after the first RHF call from the application with no application table address.	No action required.	RHF
RHF, NO MORE aname SPACE FOR NETON	The NETON is rejected because all allowable applications with the requested application name aname are currently netted on. The application is not aborted.	Retry the NETON request later.	RHF
RHF, NO MORE TABLE SPACE FOR NETON	RHF rejects NETON because there is no more table space available. RHF does not abort the application.	Retry request.	RHF
RHF, jobnnn NOT IN RHF*S TABLES	RHF unable to report error to application.	No action required.	RHF
RHF, QUEUED MESSAGE LIMIT EXCEEDED	An application exceeded the maximum number of supervisory messages that are queued in RHF. The application is aborted by RHF.	Modify the application to issue more frequent NETGET's for the supervisory messages queued in RHF.	RHF
RHF, jobnnnn QUEUED MESSAGE LIMIT EXCEEDED	The application with job name jobnnnn is aborted if the number of supervisory messages queued in RHF exceeds the limit.	No action required.	RHF
RHF, REJECTED CONTROL MESSAGE FOR aplname ON ACNaaaa RECEIVED.	The NAD rejected a control message sent by application aplname on ACN aaaa. aaaa Application connection number	Notify customer engineer and/or system analyst.	RHF
RHF, REMOTE CONNECT REQUEST FROM aplname ON pid TO applnam LID=lid RHF, NAD=nn, CH=cc, BUFF=b, TCU=nnnn, DEST=d, PATH ID=id, ACC=cccc RHF, REQUEST ACCEPTED	Informative message indicating a connection request from a remote host has been accepted by RHF. aplname Application name of requestor. pid Physical identifier of remote mainframe where request was initiated. applnam Name of application requested lid Logical identifier requested (valid lid for remote mainframe PID). nn Address of NAD issuing request in hexadecimal. cc Channel number of receiving NAD in octal. b Buffer size in octal of the allocation request. 0 516 bytes 1 2064 bytes 2 4128 bytes nnnn Binary bit pattern which indicates trunks that may be used to communicate back to the requesting NAD. d Destination device physical address in hexadecimal. id Connection path identifier in hexadecimal. The NAD gives this id to the connection path. cccc Access code in hexadecimal.	No action required.	RHF
RHF, REMOTE CONNECT REQUEST FROM aplname ON pid TO applnam LID=lid RHF, NAD=nn, CH=cc, BUFF=b, TCU=nnnn, DEST=d, PATH ID=id, ACC=cccc RHF, REQUEST REJECTED - rejmess	Informative message indicating rejection by RHF of a remote host's connection request. aplname Application name of requestor. pid Physical identifier of the remote mainframe where request initiated. applnam Name of application requested. lid Logical identifier requested. nn Address of NAD issuing request in hexadecimal. cc Channel number in octal of receiving NAD.	Refer to the separate listing of the last line message (RHF, REQUEST REJECTED - rejmess) for the appropriate action.	RHF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
	<p>b Buffer size in octal of allocation request. 0 516 bytes 1 2064 bytes 2 4128 bytes</p> <p>nnnn Binary bit pattern which indicates trunks that may be used to communicate back to the requesting NAD.</p> <p>d Destination device physical address in hexadecimal.</p> <p>id Path identifier in hexadecimal. The NAD gives the id to the connection path.</p> <p>cccc Access code in hexadecimal.</p>		
INVALID PASSWORD pppppp	Self-explanatory. pppppp Password	Notify system analyst.	
REQUESTED APPLICATION UNAVAILABLE	Requested remote application is invalid, not running, disabled, no additional connections are allowed to the running application, or new applications could be started on the remote mainframe.	Take corrective action and retry.	
PATH OR NAD UNAVAILABLE	<p>One of the following is not in the RHF configuration or is disabled.</p> <ul style="list-style-type: none"> - Remote NAD - Local NAD - Path between the remote and local NADs <p>This message may also be issued if there are no TCU enables in the RHF configuration for this path in common with the TCU enables specified by the requesting NAD.</p>	If appropriate, enable corresponding elements in RHF configuration, or correct TCU enables in RHF configuration.	
PID/LID NOT AVAILABLE	Either the PID of the requestor is not in the RHF configuration or it is disabled or the LID requested is not in the LID table.	If appropriate, enable PID or LID in RHF configuration or add LID to LID table.	
RHF SHUTDOWN IN PROGRESS	No new connections made during the RHF shutdown process.	No action required.	
RHF, SSF ERROR, jobnnnn NOT IN SYSTEM	RHF issued an SSF request that referenced an application with job name jobnnnn, that is not currently known to the system.	Notify system analyst.	RHF
RHF, THE FOLLOWING CONTROL MESS. IS FOR AN UNKNOWN PATH. RHF, xx...xx	RHF received a control message from a local NAD for which no active path could be found in any application connection table entry. xx...xx is the contents of the control message in hexadecimal.	If problem persists, inform site analyst.	RHF
RHF, THE FOLLOWING CONTROL MESS. IS NOT SUPPORTED. RHF, xx...xx	RHF received an unrecognizable control message from a local NAD. xx...xx is the contents of the control message in hexadecimal.	If problem persists, inform site analyst.	RHF
RHF, THE FOLLOWING CONTROL MESS. WAS REJECTED BY THE NAD. RHF, xx...xx	RHF issued a control message that a local NAD could not deliver. The message was returned as a rejected control message. xx...xx is the contents of the control message in hexadecimal.	If problem persists, inform site analyst.	RHF
RHF UNAVAILABLE	The NETON is rejected because RHF is not running or does not have enough resources to service this application.	Notify system operator to bring up RHF.	MFINT
RHH01 - INVALID FUNCTION CODE	The calling program specified an invalid function code.	Notify system analyst.	RHH
RHH02 - INVALID PARAMETER BUFFER ADDRESS	The calling program specified a parameter block address that was either zero or not within the caller's field length.	Notify system analyst.	RHH
RHH03 -- USER NOT SYSTEM ORIGIN	The calling program does not have system origin privileges.	Notify system analyst.	RHH
RHH04 - CALLED FROM CP 0	This routine cannot be called from control point 0.	Notify system analyst.	RHH
RHH05 - NOT CALLED BY SUBSYSTEM CONTROL POINT	A program specified a function that can only be used by RHF.	Notify system analyst.	RHH
RHH06 - NO SUBSYSTEM CONTROL TABLE FOUND	RHH was attempting to find RHF's control point number, but a subsystem table has not been defined.	Rebuild CMR with a subsystem table.	RHH

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RHH07 - INVALID SUBSYSTEM NUMBER	RHH was given a subsystem number that is not within the valid range of subsystem numbers.	Notify system analyst.	RHH
RHH08 - SCP NOT ACTIVE	The SCP that was requested was not currently active.	Start RHF and retry. If same results notify system analyst.	RHH
RHH09 - INVALID JDT ORDINAL	RHH was given a JDT ordinal for a UCP that was invalid.	Notify system analyst.	RHH
RHH10 - NO LOCAL NADS	RHF does not have any local NADs in the local NAD table.	Notify system analyst. The RCFILE for RHF must be corrected.	RHH
RHH11 - NAD TABLE OUT OF RANGE	The address of the local NAD table was not within RHF's field length.	Notify system analyst.	RHH
RHH12 - CHANNEL NOT FOUND ERROR IN LNT ORDINAL ord	A local NAD table entry is defined in the RHF configuration file for which no NAD entry in the equipment status table with the same channel was found.	Either correct LNAD directive and rebuild configuration file with RCFGEN, or correct CMR EST entry.	RHH
RHH13 - CONFIGURATION ERROR ERROR IN LNT ORDINAL ord	The equipment status table contains more than one NAD entry with the same channel.	Notify system analyst. The CMR EST must be changed.	RHH
RHH14 - ATTEMPTING TO RESERVE MULTIPLE CHANNELS	There is a logic problem in RHH, because RHH should never attempt to reserve a channel before it has released the previous channel.	Notify system analyst.	RHH
RHH15 - COULD NOT FIND CONTROL POINT DAYFILE	A dayfile FNT did not exist for the calling program.	Notify system analyst.	RHH
RHH16 - FILE ALREADY EXISTS	Calling program already has a ZZZZDF file at this control point.	Return ZZZZDF file and retry. If still unsuccessful, notify system analyst.	RHH
RHH17 - FUNCTION NOT ALLOWED FROM INTERCOM	Intercom users cannot request tapes or flush their dayfiles.	None.	RHH
RHH18 - CONTROL POINT ERROR FLAG SET	RHH found the control point error flag byte in the caller's control point area to be nonzero.	Notify system analyst.	RHH
RHH19 - DAYFILE FNT CANNOT BE LINKED	RHH attempted to add a supplement to an FNT that already had a supplement.	Notify system analyst.	RHH
RHH20 - NO LOGICAL ID TABLE FOUND	The RHF subsystem requires a logical ID table to be defined in CMR.	Rebuild CMR with a logical ID table.	RHH
RHH21 - MORE THAN ONE LNT WITH SAME CHANNEL	The local NAD table has more than one local NAD entry with the same channel specified.	Notify system analyst. RCFILE for RHF must be changed to avoid duplicate channel entries. Correct LNAD directive and rebuild configuration file with RCFGEN.	RHH
RHH22 - INVALID EST ORDINAL	The calling program asked to update an equipment status table (EST) entry that does not exist.	Notify system analyst.	RHH
RHH23 - EST IS NOT A NAD	The calling program asked to update an equipment status table (EST) that is not the EST for a NAD.	Notify system analyst.	RHH
RMF INITIATED.	Informative message. The RMF driver is running.	No action required.	1RM
RMS CONTROLLER NOT RESPONDING ESTxx CHcc EQe UNuu OPTIONS REP - TRY AGAIN EST - DISPLAY EST	The RMS controller is not responding to AUTOLOAD and STATUS commands. xx EST ordinal cc Channel number e Equipment number uu Unit number	Ensure that the RMS equipment is properly defined. Enter one of the options and make another attempt. If the second attempt fails, consult a customer engineer for corrective procedures or notify the system analyst.	IRCP CONTROL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
RMS ERROR INFORMATION LOST	A combination of a RMS hardware error and a RMS parity error occurred during the processing of a single stack request. The errors may have destroyed parity error information.	Analyze the CERFILE entry corresponding to the time of this dayfile entry to determine whether that entry is valid.	1SX
RMS FLAWS LOST. TYPE GO TO CONTINUE	User error. Either too many flaws were assembled in CMR or too many were entered by operator.	Notify system analyst. A possible action is to reassemble deadstart routines with a new definition of BASE.	IRCP
ROUTE TO INPUT NOT IMMEDIATE-IGNORED	File routing to INPUT must take place immediately. Job is not aborted; ROUTE request is ignored.	Correct problem and retry.	DSP
RP = nnn DAYS	Informative message. nnn Number of days until file is expired	No action required.	1FC PER
RP ILLEGAL	System detected invalid RP parameter. RP must be numeric with range of 1-999 inclusive.	Correct problem and retry.	ADS
RPV-ADDRESS OUT OF RANGE	Fatal user error. The RPV parameter block or reprieve routine is outside the field length.	Correct problem and retry.	RPV
RPV CALL WITHOUT AUTO-RECALL	Auto-recall bit must be set in calling sequence.	Correct problem and retry.	RPV
RPV-ILLEGAL REQUEST	Fatal user error. The RPV parameter block is invalid because of one of the following: - The function code is illegal - The length of the block is incorrect - The reprieve routine lwa is less than the fwa - An undefined mask bit is set - A bit in the pending interrupt word does not represent a valid interrupt - The interrupted terminal input request is invalid	Correct problem and retry.	RPV
RPV -- JOB CANNOT BE RERUN	Fatal user error. A user's reprieve (error recovery) routine performed an action which set the no-rerun flag. Thus rerun processing cannot be resumed.	Refer to the RECOVER macro in the NOS/BE Reference Manual.	RPV
RPV -- RESET INVALID	Fatal user error. RESET request is invalid because of one of the following. - The RESET request is not of the same mode (normal or extended) as the preceding SETUP request - The RESET request came when the reprieve routine was not active - The reprieve routine was processing an interrupt contained in fwa+4 (pending interrupt word) of the RPV parameter block	Correct problem and retry.	RPV
RPV UNABLE TO RESTORE PREVIOUS ERROR	User request to restore error flag and exchange package not carried out. User request is usually done by subroutine RECOVER.	Correct problem and retry.	RPV
RUN RECOVER (SN=setname, V=vsn, MF=mfid, MO=4) ON OTHER MF AND TYPE GO	Informative message. setname Set name vsn Volume serial number mfid Mainframe identifier	Follow instructions given in message.	GENDJ
RW PARAMETER IGNORED	Informative message. RW cannot be used in conjunction with ST.	Correct problem and retry.	CPF
RWE-BAD PARAMETER ADDRESS	User error on call to RWE. Job has been aborted.	Correct problem and retry.	RWE
RWE-BAD PSEUDO EST OR CM TABLE	System error. Job has been aborted.	Notify system analyst.	RWE
S SPACE LOW SN=setname	The number of record blocks available for system files on the public set indicated has dropped to or fallen below the first (higher) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
S SPACE NOT LOW SN=setname	The number of record blocks available for system files on the public set indicated has risen above the first (higher) system defined threshold. setname Set name	Type ACK. to clear message.	2RN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
S SPACE NOT OUT SN=setname	The number of record blocks available for system files on the public set indicated has risen above the second (lower) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	ZRN
S SPACE OUT SN=setname	The number of record blocks available for system files on the public set indicated has dropped to or fallen below the second (lower) system defined threshold. The system is now in step mode. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	ZRN
SAVED TAPE UNLOADING, TYPE G0xx TO IGNORE	Tape unit with EST ordinal xx is unloading at end of job time.	To inhibit unload and clear control point, type G0xx. Otherwise, control point will clear when tape unloads.	1ES
SCANNER CHANNEL UNAVAILABLE. 819-S NOT ALLOWED. RECOVERY ABORTED.	Scanner channel is unresponsive.	Perform a Level 1 deadstart.	IRCP
SCANNER CHANNEL UNAVAILABLE. 819-S NOT ALLOWED. -CR- TO ENTER EST.	Scanner channel is unresponsive.	Delete all 819 (AH) entries from the equipment status table or notify system analyst.	IRCP
SCANNING PFC ENTRIES	Informative message.	No action required.	RECOVER
SCANNING PFD	Informative message.	No action required.	RECOVER
SCPA IN SSF PARAMETER IS OUTSIDE THE SCP FL	Address specified in SCPA field is too large.	Correct problem and retry.	SSF
SD REQUESTED. SHOULD xx BE ASSIGNED	EST ordinal xx is not system device.	Type n.YES to allow operator to assign EST ordinal. Otherwise, type n.NO.	REQ
SECOND PARAMETER IGNORED	Nonfatal user error. MODE parameter may only only be used to alter exit conditions relative to arithmetic errors.	Remove second MODE parameter.	1AJ
SEGMENT MODE CONFLICT IN seg	Fatal user error. Segment seg does not have same mode that CMR directory lists for it.	Either change CMR directory entry to match segment mode or change segment mode to match CMR directory entry.	LDCMR
SEGMENTS MISSING FROM FILE-lfn	File lfn does not conform to a ZZZZCRM file written by LDCMR.	Regenerate file lfn.	LDCMR
SELECTIVE DUMP	Informative message.	No action required.	DUMPF
xxxxxxxxxx SENT WITH ERR CODE ec FOR pid	Informative message indicating supervisory message xxxxxxxxxxxx was sent with error code ec to mainframe with physical identifier pid.	Notify system analyst.	MFINT
SEQTORAN OR RANTOSEQ IS INVALID BETWEEN A READY - COMPLETE	Informative message.	Correct problem and retry.	EDITLIB
SEQTORAN OR RANTOSEQ IS INVALID BETWEEN A LIBRARY - FINISH	Informative message.	Correct problem and retry.	EDITLIB
SERIAL CHK. RC.recno,CD.cardno	Card sequence number is wrong on binary card number cardno in record number recno.	Correct binary deck.	1IR
SET ACTIVITY IS ZERO - DSM	Fatal system error.	Notify system analyst.	DSM
SET FNT NOT FOUND	Fatal system error.	Notify system analyst.	RECOVER
SET I/L COULD NOT BE SET	Fatal system error. Could not set interlock.	Notify system analyst.	RECOVER
SET I/L SET, RUN RECOVER	Informative message.	Notify system analyst.	DSM
SET NAME IN LABEL NOT ZERO	Pack belongs to another set. Pack must be deleted by DELSET, or relabeled.	Reassign or drop.	ADS
SET NAME NOT FOUND IN FNT - DSM	Fatal user error.	Mount device set before dismounting any member of that device set.	REQ DSM
SET NAME NOT MOUNTED AT THIS CP setname	User requested a device set which is not available at this control point. Request is aborted. setname Set name	Issue MOUNT request for set before specifying set name in REQUEST statement.	REQ 7RQ

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
SET NOT MOUNTED	Conditionally fatal user error (FDB return code = 041B). An ATTACH, CATALOG, or LOADPF command prompted the message.	Mount the required set master and retry.	1PD
SET NOT MOUNTED	Fatal user error. A DELSET OR DUMPF command prompted the message.	Mount set and rerun job.	DLM OUX
SET NOT MOUNTED	Operator tried to assign an unmounted set. Request is aborted.	Correct problem and retry.	REQ
SET NOT MOUNTED	Set specified on SETNAME control statement is not mounted; control statement error flag set.	Correct problem and retry.	1AJ
SET NOT MOUNTED	Fatal user error.	Correct problem and retry.	PFLAG
SET NOT MOUNTED. SHOULD xx BE ASSIGNED	EST ordinal xx designates a set that is not mounted.	Type n.YES to allow operator to assign EST ordinal. Otherwise, type n.NO.	REQ
SET NOT PUBLIC	Operator tried to assign a private set. Request is aborted.	Correct problem and retry.	REQ
SET NOT PUBLIC. SHOULD xx BE ASSIGNED	Request was for a public set. EST ordinal xx designates a nonpublic set.	Type n.YES to allow operator to assign EST ordinal. Otherwise, type n.NO.	REQ
SET NOT RECOVERABLE	Fatal system error.	Notify system analyst.	RECOVER
ssSET PFD TABLES ARE TO BE MOVED, TYPE GO/DROP	ss = nonuser set Possible values: SD System default Q System S System	Enter GO or DROP.	TAT
SET-SET TRANSFER WITH MEMBER NOT POSSIBLE	User error.	Retry.	TRANSPF
SETTING SMT I/L-S	Informative message.	No action required.	RECOVER
SHORT BLOCK WITHOUT LEVEL NUMBER	A short block which did not have a level number was received from a SCOPE 2 job that had issued a SAVEPF command. A level number of zero is assumed.	Take a dump of the field length of the spun off task and notify system analyst.	SOTPF
SHOULD WRITING BE ALLOWED ON UNEXPIRED TAPE TYPE N.YES OR N.NO.	Informative message. User is attempting to overwrite data on a tape with an unexpired label.	Typing n.YES allows tape to be overwritten. Typing n.NO aborts job. If overwrite attempt is detected before any operation has been made on tape, operator can type G0xx. or RECHECKxx. If tape is no longer at load point, RECHECKxx. option is not possible and operator can only reply n.YES or n.NO.	3IM
SHRINK pfn FAILED - PF RETURN CODE ec	Attempt to shrink file pfn resulted in FDB return code ec. (Refer to the inside front cover.)	Notify system analyst.	TDS
SIS OR SDA PERMISSIONS VIOLATED	If extended error processing and an FET extension are specified, message appears in dayfiles for a SIS or SDA file if permissions bits in FST do not match those in extended FET.	Correct problem and retry.	6WM
SITE INDICATOR AFTER = MUST BE C, I, OR E	Site indicator (k) on DISPOSE statement must be C (central site), I (INTERCOM terminal), or E (EXPORT/IMPORT terminal). DISPOSE statement is ignored.	Correct problem and retry.	DISPOSE
SK OR NONE INVALID ON DEVICE WITH NO LABEL	Informative message on LABEL display.	Enter one of the options listed on the left screen.	IRCP
SKIPPING lfn	Informative message. lfn File name	No action required.	QUEDUMP LOADPF
SMT ALLOCATION BAD	Informative message; set member table is not allocated in logical flaw table or conflicts with allocation of another table.	Refer to output listing for more information.	RECOVER

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
SMT DAM OFFSET POINTER BAD	Fatal system error.	Notify system analyst.	RECOVER
SMT/FLW DISAGREE GO OR DS	Information in member tables disagree.	Notify system analyst. Deadstart process can be resumed by typing GO. Otherwise, deadstart from the beginning.	RECOVER
SMT/FLW ENTRIES DISAGREE	Fatal system error. Entries for master disagree.	Notify system analyst.	RECOVER
SMT MASTER VSN MISMATCH	Fatal system error.	Notify system analyst.	RECOVER
SMT RB AVL BAD	Number of available RBs is greater than number of usable RBs. Informative message only if DAM is recreated.	Notify system analyst.	RECOVER
SMT VSN BAD	Fatal system error.	Notify system analyst.	RECOVER
SN CONFLICT	Fatal system error.	Notify system analyst.	MNT
SN HAS ILLEGAL CHARACTER	Fatal user error. SN must be 7 alphanumeric characters or less with first character alphabetic.	Correct problem and retry.	SETCCP DMNT PFCCP
SN HAS ILLEGAL CHARACTER-RELABEL	Fatal user error.	Correct SN parameter.	RELABEL
SN HAS ILLEGAL VALUE	Fatal user error. SN must be 7 alphanumeric characters or less with first character alphabetic.	Correct problem and retry.	SETCCP
SN MUST BE SPECIFIED	Fatal user error.	Specify SN parameter.	DMNT SETCCP DUMPF LOADPF PFCCP
SN MUST BE SPECIFIED-RELABEL	Fatal user error.	Specify SN on control statement. Retry.	RELABEL
SN NOT ALLOWED	User error.	Correct problem and retry.	TRANSPF
SN PARAMETER REQUIRES VSN PARAMETER	Both SN and VSN must be specified to allow access to the private set on the specified mainframe.	Correct problem and retry.	1PG GPF SPF
SOME USER SETS NOT RECOVERED TYPE GO TO CONTINUE	There is not enough space between end of libraries and start of IRCP for tables needed for user set recovery.	Reduce length of libraries or reassemble system with BASE installation parameter set to higher values.	IRCP
SOMEBODY CLEARED MY INTERLOCK-LBL	System software error. Bad MTR request. Set interlock in MST set by RELABEL has been cleared by another program.	Notify system analyst.	LBL
SOT DOES NOT RECOGNIZE DATA	A spun off task was called with an illegal message code in the packet request message.	Take a dump of the field length of the spun off task and notify system analyst.	SOT
SOURCE AND DESTINATION FILE ARE THE SAME	User error.	Correct problem and retry.	EDITLIB
-SP- ATTACHING pfn	A spun off task has initiated the attaching of a permanent file named pfn.	No action required.	SOT
-SP- BAD FC = fcB, LFN = lfn FORMS CODE DELETED	An illegal forms code (fc, octal) was detected on file lfn by the spooling spun off task. The forms code specification was deleted and the file routed to the output queue.	Notify system analyst.	SOTSP
-SP- fida BAD FID CHANGED TO fidb	The spooling spun off task detected an illegal file ID fida on an output file and changed it to fidb so the file can be routed to the output queue.	Notify system analyst.	SOTSP
-SP- BAD TID = tidB, LFN = lfn LFNNAME DISPOSED TO CENTRAL SITE	The spooling spun off task detected an illegal terminal ID of tid octal and disposed the file lfn to the central site.	Notify system analyst.	SOTSP
-SP- CATALOGING pfn	A spun off task has initiated the cataloging of a permanent file named pfn.	No action required.	SOT
-SP- s COMPLETED lfn	The spooling spun off task completed the transfer of input or output file lfn on stream s for its linked mainframe.	No action required.	SOTSP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-SP- DATA RCW DETECTED IN HEADER LABEL	The tape staging spun off task detected a data recovery control word while processing the standard label records from SCOPE 2.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- DEADSTARTING SCOPE 2	The deadstart spun off task is transferring the deadstart file to SCOPE 2.	No action required.	SOTDS
-SP- DETECTED TRAILER LABEL IN LAST BLK	A non-standard trailer label was detected at the end of an unlabeled tape.	No action required.	SOTTP
-SP- DSP FATAL ERR ec, lfn	The spooling spun off task called DSP to route file lfn into the I/O queue, but DSP returned fatal error code, ec. (Refer to section 7 of the NOS/BE Reference Manual.)	Take a dump of the field length of the spun off task and notify system analyst.	SOTSP
-SP- EOI FOUND IN MIDDLE OF DATA BLOCK	The tape staging spun off task detected end of information while processing a data block from SCOPE 2.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- EOI FOUND IN MIDDLE OF LABEL BLOCK	The tape staging spun off task detected end of information while processing the standard label records from SCOPE 2.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- ERROR CODE ec ON lfn	A fatal tape error was detected on the file lfn. The tape driver returned an error code ec. Refer to the NOS/BE Reference Manual for a description of the error code field in word zero of the file environment table.	No action required.	SOTTP
-SP- ERROR IN RCW FROM 7000	The tape staging spun off task detected one of the following errors in a data type recovery control word which precedes a tape block: unused bit count .LT. 0 or .GT. 60 block length .LE. 0 or .GT. maximum block length recovery control word type .NE. 0 (data) previous block length .LT. 0 or .GT. maximum block length +1	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- ERROR IN TAPE HEADER WORD	The tape staging spun off task received a tape block header word from the tape driver that was invalid for one of the following reasons: block length .LE. 0 block length .GT. maximum block length unused bit count .GT. 60 unused bit count .LT. 0	If the error persists, take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- FATAL ERROR-RERUN/RESTAGE/DROP.	The tape staging spun off task has detected a fatal tape error. The preceding dayfile messages provide a more detailed description of the tape error.	Restage or rerun the tape staging spun off task. If the error persists, drop the tape staging spun off task.	SOTTP
-SP- FNT SPACE CRITICAL WAITING TO ROUTE lfn	DSP error 32B detected by SOTSP when routing lfn to an I/O queue.	Take steps to free FNT space. When the space becomes available, the route will be initiated and the message cleared.	SOTSP
-SP- HEADER LABELS OVERFLOWED BUFFER	The standard label records exceeded the size of the I/O buffer of the tape staging spun off task. The total number of words allowed for the header label group is one tape buffer. (Refer to the enhanced station support section in the NOS/BE Installation Handbook for tape buffer size.)	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- LOGICAL RECORD numa GR MBL RECORD	The permanent file staging spun off task numa exceeds the maximum block length for a BT=K file. The whole record, which had a record length of numb, was sent to SCOPE 2 anyway.	Increase maximum block being staged.	SOTPF
-SP- NON-ZERO LENGTH TAPEMARK RCW	The tape staging spun off task detected a tapemark recovery control word containing a non-zero block length in a file being staged from SCOPE 2.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- NON-ZERO LENGTH TAPEMARK RCW	A tapemark recovery control word containing a nonzero block length was received from a SCOPE 2 job which had issued a SAVEPF command.	Take a dump of the field length of the spun off task and notify system analyst.	SOTPF
-SP- POST STAGING	A tape spun off task has initiated the staging of a file from SCOPE 2 to tape.	No action required.	SOTTP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-SP- PRE STAGING	A tape spun off task has initiated the staging of a tape file to SCOPE 2.	No action required.	SOTTP
-SP- PRE STAGING (PARTIAL)	A tape spun off task has initiated the staging of a specified portion of a tape file to SCOPE 2.	No action required.	SOTTP
-SP- PURGING pfn	A spun off task has initiated the purging of a permanent file name pfn.	No action required.	SOT
-SP- QAC ERROR CODE ec. GO OR DROP.	The spooling spun off task called QAC to get an input file from the input queue but QAC returned a fatal error code ec. (Refer to ACQUIRE macro in System Programmer's Reference Manual.)	Take a dump of the field length of the spun off task and notify system analyst.	SOTSP
-SP- RCW BLOCK LENGTH GT MBL	A recovery control word containing a block which was larger than maximum block length was received from a SCOPE 2 job which had issued a SAVEPF command.	Increase maximum block length for the file being staged.	SOTPF
-SP- s RECEIVING lfn	The spooling spun off task initiated the transfer of output file lfn on stream s from its linked mainframe.	No action required.	SOTSP
-SP- REQ FATAL ERR ec,DT=dt, lfn	A spun off task called REQ to assign file lfn on device type dt and REQ returned error code ec. (Refer to the REQUEST macro in the NOS/BE Reference Manual for a more detailed description of the error code.)	Take a dump of the field length of the spun off task and notify system analyst.	SOTMSG
-SP- SCOPE 2 DEADSTART VIA TAPE TYPE N.CFO Y/N	The deadstart spun off task is asking the operator to indicate whether the deadstart is to be from a tape or a permanent file.	Type n.CFO Y for tape deadstart or n.CFO N for permanent file deadstart. n is the control point number of the spun off task.	SOTDS
-SP- s SENDING lfn	The spooling spun off task initiated the transfer of input file lfn on stream s to its linked mainframe.	No action required.	SOTSP
-SP- SKIPPED counta, STAGED countb BLOCK(S)	On a partial stage by block, counta blocks were skipped and then countb blocks were staged.	No action required.	SOTTP
-SP- SKIPPED counta, STAGED countb FILE(S)	On a partial stage by file, counta files were skipped and then countb files were staged.	No action required.	SOTTP
-SP- TAPEMARK RCW DETECTED BEFORE LABELS	The tape staging spun off task detected a tapemark recovery control word before the standard label header group.	Take a dump of the field length of the spun off task and notify system analyst.	SOTTP
-SP- TOTAL BLKS WITH PARITY ERROR count	The tape staging spun off task detected tape blocks that contained parity errors when the NR staging parameter was used. count Number of blocks detected	No action required.	SOTTP
-SP- TRAILER LABELS OVERFLOWED BUFFER	The standard trailer label records exceeded the size of the I/O buffer of the tape staging spun off task. The total number of words allowed for the trailer label group is one tape buffer. (Refer to the enhanced station support section in the NOS/BE Installation Handbook for the tape buffer size.)	Take a dump of the field length of the spun off task and notify a system analyst.	SOTTP
-SP- TRANSFER TO LINKED MF REJECTED	The spooling spun off task attempted to send an input file to a linked mainframe but the linked mainframe could not accept the file. The file will be transferred when the linked mainframe has space for it.	No action required.	SOTSP
-SP- WAITING FOR FNT SPACE FOR QAC	The spooling spun off task called the queue acquire routine to get an input file from the input queue, but the queue acquire routine returned an error code indicating that there was no file name table space. The file will be transferred when space becomes available.	Follow site procedures to make file name table space available.	SOTSP
-SP- WAITING FOR FNT SPACE FOR REQ	A spun off task is waiting for file name table space so that REQ can assign a file.	Follow site procedures to make file name table space available.	SOTMSG

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
-SP- ZERO LENGTH DATA RCW	A data recovery control word containing a zero block length was received from a SCOPE 2 job that had issued a SAVEPF command.	Take a dump of the permanent file staging spun off task and notify system analyst.	SOTPF
-SP- ZERO LENGTH LABEL RCW	A label recovery control word containing a zero block length was received from a SCOPE 2 job that had issued a SAVEPF command.	Take a dump of the permanent file staging spun off task and notify system analyst.	SOTPF
SPECIAL CKP REQUESTED	CKP called by console type-in.	No action required.	CKP
SPECIAL NAME FILES CANNOT RESIDE ON PRIVATE DEVICE SETS	Fatal user error. Error code 26 returned to REQ calling routine.	Specify public device on REQUEST statement.	REQ 7RQ
SPECIFIED CYCLE NOT FOUND IN PFD - OUX	Fatal system software error.	Notify system analyst.	OUX
SPECIFIED DEVICE NON-EXISTENT	Fatal error, code 22.	Correct problem and retry.	6WM
SPECIFIED FILENAME NOT FOUND IN FNT TABLE - OUX	Fatal system software error.	Notify system analyst.	OUX
SPECIFY INTERLACE FIRST	No label found during label initialization processing. The interlace is undefined and must be specified before another option is entered.	Enter FT or HT.	IRCP
SSC - COMPLETE BIT ALREADY SET	When SSC was called, bit zero of SSC parameter word was already set.	Correct problem and retry.	SSC
SSC - DUPLICATE SUBSYSTEM	SSC was called to obtain system control point status, but subsystem was already in operation at another control point.	Correct problem and retry.	SSC
SSC - JOB NOT SYSTEM ORIGIN	System control point status is granted only if the operator initiated the job.	Correct problem and retry.	SSC
SSC - LP IN RA.SSC IS LESS THAN 2	Minimum parameter length allowed is 2. This is checked before an SSC call is passed to a system control point.	Correct problem and retry.	SSC
SSC - PARAMETER IS OUTSIDE FL	Parameter word specified in SSC call is not in field length.	Correct problem and retry.	SSC
SSC - PARAMETER+WC OUTSIDE FL	Parameter word + word count is not in field length.	Correct problem and retry.	SSC
SSC - RA.SSC POINTS OUTSIDE FL	AP or XP pointer in RA.SSC places incoming SSC data outside SCP field length.	Correct problem and retry.	SSC
SSC - RA.SSID DOESNT CHECK WITH T.SSCT	Subsystem name and number in RA.SSID must match that in subsystem control table.	Correct problem and retry.	SSC
SSC - SUBSYSTEM HAS DROPPED THE CPU	If subsystem has dropped CPU, it has its system control point status taken away.	Correct problem and retry.	SSC
SSC - UNDEFINED SUBSYSTEM CALLED	There is no subsystem defined in T.SSCT table entry for requested subsystem number.	Correct problem and retry.	SSC
SSC(O) - MUST USE AUTORCL	When requesting system control point status, SSC must be called with autorecall.	Correct problem and retry.	SSC
SSC(O) - ALREADY A SYSTEM CP	Job attempted to gain system control point status while already having that status.	Correct problem and retry.	SSC
SSC(O) - TOO MANY SUB-SYSTEMS	Maximum number of active subsystems was already running when this job attempted to gain system control point status.	Terminate system control point and retry.	SSC
SSF (addr)	This message is used with all SSF error messages. It provides address addr of parameter word involved.	See related SSF messages.	SSF
SSF CALLED WITHOUT SYS CTL PT STATUS	SSF is a privileged call that can only be used by a system control point.	Correct problem and retry.	SSF
SSF PARAMETER ADDRESS OUTSIDE FL	Parameter word specified in SSF call is not in field length.	Correct problem and retry.	SSF
STACK REQUEST ERROR	Fatal hardware error.	Consult parity error message in dayfile.	DLM
jobname STAGED BY OPERATOR	Issued after STAGE jobname type-in. (Release jobname to input queue.)	No action required.	1MH

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
STAGING STATION xxx NOT LOGGED IN	User is attempting to do a SAVEPF, GETPF, or PURGE with an ST parameter specifying the linked mainframe xxx, and xxx is either not logged into the station or the station is not running.	Type n.GO to swap the job to the multiframe queue and wait until xxx is logged in, or type n.DROP to drop the job.	PFP SPF CIO
START QUEUE PROCESSING	Informative message.	No action required.	1QF
pppp - STATE OF TRANSFER = paramt FROM pid	Informative message indicating protocol command pppp is received with state of transfer parameter equal to paramt from mainframe pid.	No action required.	MFINT
STATION ALREADY UP	Fatal error. A multiframe station is active at another control point.	No action required.	SSH
STATION ERROR--PACKET/PF CODE BAD	A spun off task was called to stage a permanent file with a permanent file function code which did not agree with the message code in the packet request message.	Take a dump of the field length of the spun off task and notify system analyst.	SOT
mfx STATION LOGOUT	Informative message. Mainframe identifier mfx has been logged out.	No action required.	SSH
STATUS AREA OUTSIDE FL	Address of status area as specified in STS call is outside job's field length.	Correct problem and retry.	STS
STF BUFFER OUT OF FIELD LENGTH	Fatal user error. STF was called with a bad parameter address.	Refer to STF description in the NOS/BE System Programmer's Reference Manual.	STF
STF COMMAND TABLE OUT OF FIELD LENGTH	Fatal user error. STF was called with a bad parameter address.	Refer to STF description in the NOS/BE System Programmer's Reference Manual.	STF
STF JOB NOT SYSTEM LIBRARY ORIGIN	Fatal user error. User program cannot use STF.	No action required.	STF
STF UNRECOGNIZABLE COMMAND	Fatal user error. STF was called with a bad parameter.	Refer to STF description in the NOS/BE System Programmer's Reference Manual.	STF
STORE NOT ALLOWED FROM A BATCH JOB	The STORE command can be entered from INTERCOM only.	Use CATALOG control statement in place of STORE and rerun job.	STORE
STS FOUND COMPLETE FLAG SET.	Bit zero of list header word was not zero initially.	Correct problem and retry.	STS
STS - INVALID SETMFL VALUE	Fatal user error. SETMFL was called with a bad parameter.	Refer to the SETMFL macro in the NOS/BE System Programmer's Reference Manual.	STS
SUBMIT NOT CALLED FROM HELLO7	The user attempted to submit a connected input or output job before attaching HELLO7.	Enter the HELLO7 control statement and reenter the SUBMIT control statement.	HELLO7
SUGGEST LISTLIB OF INPUT LIBRARIES	Internal table error encountered in some input libraries.	Regenerate input libraries and retry.	EDITLIB
SWAPIN PARITY ERROR, FILES LOST TYPE GO	Parity or fatal error during swap-in caused loss of job FNTs. If job had some attached permanent files, DUMPF and TRANSPF utilities cannot run until after a deadstart recovery.	Type j.GO to acknowledge.	6SI
SWAPIN PARITY ERROR, FILES SAVED	Parity or fatal error during swap-in but FNTs are saved.	No action required.	6SI
SWAPIN PARITY ERROR, NO RERUN BIT SET	Fatal swap-in parity error occurred. Operator could not rerun job because it had already completed an action (TRANSF, CATALOG, PURGE, and so on) that could not be repeated.	Alter the job taking into account the actions that have finished and retry.	6SI
SWAPIN PARITY ERROR, REREAD JOB - TYPE GO	Fatal swap-in parity error occurred and no-rerun bit was not set.	Reread job into computer if possible; type j.GO to acknowledge and reread job.	6SI
SWT - FATAL I/O ERROR ON ZZZZSW.	Fatal error. Switch encountered an I/O error when accessing file ZZZZSW.	Notify system analyst.	SWT

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
SWT - PARAMETER OUT OF RANGE.	Fatal error. The completion word address passed to switch is outside the user's field length.	Correct program and retry.	SWT
SYNTAX ERROR	Fatal user error.	Correct call to RECOVER and retry.	RECOVER
SYS CTL PT STATUS CANCELLED	If subsystem does not do an SF.EXIT before dropping out, its system control point status is cancelled.	Correct problem and retry.	SSC
SYS DEVICE vsn NOT ON-LINE	VSN vsn contains part of system file and must be on-line for a level 1 deadstart.	Mount device on a drive or perform a level 0 deadstart.	IRCP
SYS ERROR	Fatal system error.	Notify system analyst.	DUMPF
SYSBULL CONTROL STATEMENT CONTAINS NO TERMINATOR	Fatal user error. SYSBULL does not allow continued control statements.	Use additional SYSBULL statements when there is not enough space on one card or line for all bulletins desired.	SYSBULL
SYSBULL ERROR, SEE ANALYST, RC=ec	Nonfatal error. Attempt to attach system bulletin file resulted in FDB error return code ec. Return codes are listed on the inside front cover.	If problem persists, notify system analyst.	SYSBULL
SYSBULL INDEX IS EMPTY	Informative message.	If situation persists for several days, notify system analyst.	SYSBULL
SYSBULL REQUIRES MORE FL	Nonfatal error. When SYSBULL and/or ACCOUNT were installed, the field length specified was not adequate.	Notify system analyst that the field length for SYSBULL and/or ACCOUNT should be increased by executing a system EDITLIB with a SETFL directive.	SYSBULL
SYSTEM ABORT	Illogical condition exists in system.	Notify system analyst.	CPMTR
SYSTEM BULLETIN FILE NOT CREATED YET	Informative message.	If situation persists for several days, notify system analyst.	SYSBULL
SYSTEM COMMUNICATION ERROR (1SP...1SX)	Fatal user error. 1SX called with invalid parameters.	Correct problem and retry.	1SX
SYSTEM CPOD ON UNUSABLE EQ	Message sent to system dayfile because control point zero I/O request was issued on an idled RMS device. It is also sent to system dayfile if a change from dual to single access was caused by an RMS hardware malfunction, and a request at control point zero could not be completed successfully in single-access mode.	Operator should use ACK. to clear message.	7ID
SYSTEM CPOD REQ ON IDLED EQ	A control point zero request was issued on an idled device.	Type ACK.	1SX
SYSTEM DATE ERROR	Fatal operator error.	Notify operator.	DUMPF
SYSTEM DAYFILE PROCESSED	Informative message.	No action required.	DAYFILE
SYSTEM DEVICE vsn IS IDLED RECOVERY NOT POSSIBLE	Informative message. vsn Volume serial number	Perform a level 0 or 1 deadstart.	IRCP
SYSTEM ECS PARITY ERROR	Nonfatal error. Parity error in ECS descriptor information occurred during file release.	Notify system analyst.	CEM
SYSTEM ECS PARITY ERROR, FATAL	Parity error in ECS descriptor information occurred during file usage.	Notify system analyst.	CEM
SYSTEM EDITLIB NOT PERMITTED THROUGH INTERCOM	EDITLIB and INTERCOM are not compatible; terminal user attempting system EDITLIB is aborted.	Retry job through batch or from the console.	MDI
SYSTEM ERROR-DAM ENTRY LOST	Fatal system error.	Notify system analyst.	DLM
SYSTEM ERROR DROP OR RERUN JOB	An unrecoverable error has occurred.	Notify system analyst. Drop or rerun job.	3IM
SYSTEM ERROR (FIN) - INVALID POSITION ON lfn	The current position of an ECS resident file is invalid.	Notify system analyst.	FIN
SYSTEM ERROR (FIN) - NO FNT SUPPLEMENT FOR lfn	FIN has detected an ECS resident file that has no FNT supplement. The user's job will abort.	Notify system analyst.	FIN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
SYSTEM ERROR I/O SUSPENDED	A tape controller failed during tape operation. An attempt to autoloading or master clear controller failed.	Notify customer engineer or system analyst.	3IM
SYSTEM ERROR IN DSM	Fatal system error.	Notify system analyst.	DSM
SYSTEM ERROR-INVALID MST ENTRY	Fatal system error.	Notify system analyst.	DLM
SYSTEM ERROR-INVALID PRU INDEX	System software error. Bad MTR request. Pack contents error.	Notify system analyst. Set may be destroyed, so run RECOVER.	DLM
SYSTEM ERROR-MASTER LABEL INVALID	Fatal system error.	Notify system analyst.	LDM
SYSTEM ERROR-MEMBER NOT IN SMT	Fatal system error.	Notify system analyst.	DLM
SYSTEM ERROR - NO APF ORDINAL FOR FILE lfn - OUX	Fatal system software error.	Notify system analyst and retry.	OUX
SYSTEM ERROR-PFCCP COULD NOT LOAD UTIL	Fatal system error.	Notify system analyst.	PFCCP
SYSTEM ERROR-RBR ENTRY MISSING	Fatal system error.	Notify system analyst.	DLM
SYSTEM ERROR-REQ	File name table entry for current file has been cleared.	Notify system analyst.	REQ
SYSTEM ERROR-SMT INVALID	Fatal system error.	Notify system analyst.	DLM
SYSTEM ERROR TAPES-TABLE	Fatal error, code 22. EST ordinal of tape unit assigned to file could not be located in TAPES table in CMR.	Notify system analyst.	1MF 1CL 1RP REQ 1NR 1RS 1RT 1R9 1WI 1WS 1WN 1W9 1MT
SYSTEM ERROR TAPES TABLE - 1RQ	System error; could not locate a tapes table entry.	Notify system analyst.	6IM
SYSTEM ERROR TYPE 60xx OR DROP JOB	System error.	Notify system analyst. Analyst should dump SEF file of CE error file using RTRVSEF program described in CDC On-Line Diagnostics Manual.	3IM
SYSTEM HUNG - LDCMR ABORTED	Fatal error. Job to relocate ECS segments terminated abnormally.	Notify system analyst.	TDS
SYSTEM HUNG TO CHECK PF ERRORS	Fatal error. A system permanent file operation resulted in an error return code.	Refer to system dayfile for a message containing permanent file name, operation, and return code. This message is used for all fatal errors detected by TDS.	TDS
SYSTEM NOT CONFIGURED FOR INTERCOM/RMF	MUX table header not defined in CMR for INTERCOM and/or RMF.	Redeadstart with new CRM.	1I1
SYSTEM/OPERATOR DROP OF RMF.	Informative message. The RMF subsystem is dropped.	No action required.	1RM
SYSTEM OVERFLOWS 5 DEVICES	Informative message.	Redeadstart and define larger capacity devices.	IRCP
SYSTEM SET CANNOT BE SHARED	Informative message.	Clear shared drive attribute from all members of system set.	IRCP
SYSTEM SET MOUNT NOT ALLOWED	Fatal user error. A system set can only be mounted by a postdeadstart mode call.	Remove mount statement or use a different set.	MNT
T.SEQ LESS THAN 2 CM WORDS	Error in APR.	Notify system analyst.	APR
TABLE LENGTH ERROR IN CMDIR	Fatal user error. Stack or trace buffers defined in CMR directory are too large.	Redefine stack or trace buffers in CMR directory.	LDCMR
TABLE OVERFLOW ERROR - EDITLIB REQUIRES MORE FL	Informative message.	Correct problem and retry.	EDITLIB
TABLE OVERFLOW WHILE PERFORMING A DELETE. ENLARGE BUF3	Fatal error.	Install new version of EDITLIB with larger BUF3.	EDITLIB

MESSAGE	SIGNIFICANCE	ACTION	ROUTINE
TAPE ASSIGNED TO ANOTHER FILE, CANNOT SWAP	Fatal abort. The next tape to be assigned to the file is already assigned to a different file or control point.	Specify the proper VSN tape sequence and rerun.	3IM
TAPE HARDWARE ERROR	Fatal hardware error.	Notify system analyst.	GENLDPF PFLOG
TAPE I/O ERROR UNIT xx TYPE 66n FILE NAME lfn FET ADDRESS addr MT or xx BLOCK COUNT = count NT message.	Operator message. The sixth line of the message further describes the error and is documented as a separate entry in this manual. xx Tape EST ordinal lfn File name addr FET address count Block count n 7 or 9 message Error description	Refer to the documentation of the sixth line of the message.	REQ
\$TAPE IO SUSPENDED ON CHcc	Operator message. Tape subsystem hardware error. Channel cc was removed from service because of an error detected by a tape driver. Channel number of failing channel (cc) is removed from all EST entries and stored in corresponding URT entries.	Type ACK. When controller/channel is repaired and is ready for service (controlware has been reloaded if necessary), type UP,CHcc.	3IE
TAPE IS NOT IN STRANGER FORMAT	User error.	Retry.	DUMPF
TAPE IS NOT LABELED, USE N PAR IN REQUEST	Fatal user error.	Fix DUMTAPE REQUEST statement by inserting N parameter (new label) and resubmit job.	DUMPF
TAPE LIMIT EXCEEDED (CKP)	Job has too many tape files for CKP to handle. Checkpoint cannot continue if checkpoint requires more than 15 tapes.	Reduce number of tape files.	CKP
TAPE NOT LABELLED	Fatal user error.	Correct problem and retry.	GENLDPF
TAPE xx OFF OR ASSIGNED	Response to a ULxx type-in. xx Tape unit EST ordinal	No action required.	1MH
TAPE PARITY ERROR	Occurs in reading system from tape or writing onto system device.	Readstart.	TDR
lfn TAPE PARITY ERROR	Informative message. Next message gives available options. lfn File name	No action required.	QUEDUMP
TAPE REJECT	Occurs in reading system from tape or writing onto system devices.	Readstart.	TDR
TAPE SHOULD BE LABELED IS UNLABELED	Tape requested as labeled does not have a readable label.	If G0xx. is typed, tape will be processed as unlabeled. If RECHECKxx. is typed, system will reread tape. If an incorrect unit was assigned, mount correct tape on same unit; a RECHECK allows job to proceed.	3IM 4LB
TAPE SHOULD BE UNLABELED IS LABELED	Tape requested as unlabeled has a valid label.	If G0xx. is typed, tape will be processed as a labeled tape. If RECHECKxx. is typed, system will reread tape; or correct tape can be mounted on same unit and a RECHECK will allow job to proceed.	3IM
TAPE STAGING ON, NO VSN INFORMATION SUPPLIED - JOB PREABORTED	Fatal user error.	Supply vsn information and retry.	6PD 1MH
TAPE STATUS ERROR	Tape unit is not ready or a load failure occurred.	Check tape unit.	BNP
TAPE/UNIT FURTHER ACCESS DISALLOWED	Job was terminated while the tape I/O routines were waiting for an operator GO or RECHECK which led to a condition where further tape I/O was impossible.	The tape may or may not be in a usable condition. Check dayfile for reason that led to GO or RECHECK condition to determine if retrying the job might be successful.	3IM
TAPE UNLOADING, TYPE G0xx TO IGNORE	Unit with EST ordinal xx is unloading a tape at end of job.	Type G0xx to clear control point. This action inhibits unload.	3IC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
TAT F. INVALID ADDRESS	Fatal system error. PF set table system access.	Notify system analyst.	TAT
TAT NOT USER CALLABLE	Fatal user error. User is not allowed to call PP overlay.	Correct COMPASS program.	TAT
TBL BUFFER OVERFLOW	Error in peripheral processor routine TBL.	Notify system analyst.	TBL
TBL CALLED BY PROGRAM NOT ON SYSTEM LIBRARY	Fatal user error. Peripheral processor routine TBL cannot be called from a program not on system library.	Notify system analyst.	TBL
TBL CALLED FOR BAD USER TABLE	Error in call to peripheral processor routine TBL.	Notify system analyst.	TBL
TBL CALLED FROM NON-INTERACTIVE CONTROL POINT	Fatal user error. Peripheral processor routine TBL cannot be called from a noninteractive control point.	Run program interactively from a terminal.	TBL
TBL PARAMETER ERROR	Error in call to peripheral processor routine TBL.	Notify system analyst.	TBL
TBL SWAP CALL NOT BY LOGIN	Error in call to peripheral processor routine TBL.	Notify system analyst.	TBL
TDFGEN CANNOT MODIFY INIDfid FILE WITH INTERCOM/RMF UP.	This message signals an unsuccessful attempt to modify the current terminal definition file (INIDfid) while INTERCOM and/or RMF is up. fid Terminal definition file identifier	Drop INTERCOM and RMF and run the TDFGEN utility.	TDFGEN
TDFGEN CONTROL CARD ERROR.	The control statement contains incorrect parameters. Refer to TDFGEN in the NOS/BE Installation Handbook.	Revise the parameters and retry.	TDFGEN
TDFGEN ERRORS.	The TDFGEN input contains errors. Refer to TDFGEN in the NOS/BE Installation Handbook.	Correct input directives and retry.	TDFGEN
TDFGEN ONLY CAN BE RUN AS A BATCH JOB.	The user attempted to create a new terminal definition file (INIDfid) by using TDFGEN from an interactive job. To use TDFGEN interactively, the user must be in debug mode. fid Terminal definition file identifier	Use TDFGEN in debug mode or submit a batch job.	TDFGEN
TDFGEN PERMANENT FILE ERROR CODE = xx	TDFGEN detected permanent file error xx. Refer to the FDB return codes on the inside front cover.	Correct problem and retry.	TDFGEN
TDFGEN - REQUEST RETURN ERROR CODE = xx	TDFGEN detected REQ error code xx while trying to catalog the terminal definition file (INIDfid). Refer to the NOS/BE Reference Manual for the REQ return codes. xx REQ return code fid Terminal definition file identifier	Correct problem and retry.	TDFGEN
TDFGEN WARNING MESSAGES	The TDFGEN may contain nonfatal errors which can affect INTERCOM configuration.	Correct problem and retry.	TFDGEN
TERMINAL CONFIGURATION ERROR	The pseudo EST table has overflowed or an undefined terminal type has been found in the MUX subtables.	Notify system analyst.	111
TERMINATOR MISSING	Nonfatal user error. Control statement lacks a terminator. Either a terminator is supplied or statement is ignored, depending upon program calling COMQARG.	Add either a period or a left parenthesis to end statement.	COMQARG
TEXT CARD CONTAINS AN ILLEGAL SEPARATOR AN ID(P1) IS REQUIRED ON ALL TEXT CARDS	Only acceptable separators are +,(), or blanks. A period cannot be used as a terminator. The second line is issued when a period is used because the system expects another directive to follow the period.	Correct problem and retry.	COPYN
THE CM RESIDENT LIBRARY HAS OVERFLOWED THE DEADSTART PROGRAMS	Informative message.	Reduce CM library on a new deadstart tape.	IRCP
THE FOLLOWING PRESET FLAW IS IN ERROR, ENTER ONE OF THE OPTIONS ON THE LEFT SCREEN	Header message for LABEL display. This message is followed by invalid data and a trailer message. Invalid data is either an illegal type-in or an illegal flaw assembled in CMR. Trailer messages, possibly describing error in more detail, follow this message.	Enter one of the options listed on the left screen.	IRCP
THE FOLLOWING TYPE-IN WAS IN ERROR AND WAS IGNORED	Header message for label display.	Refer to previous message for significance.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
THE LFN SPECIFIED IS NOT A DEADSTART TAPE	Informative message.	Correct problem and retry.	EDITLIB
THE MESSAGE LEVEL PARAMETER NOT AVAILABLE FOR USER EDITLIB	Informative message.	Remove ML parameter from EDITLIB control statement and retry.	EDITLIB
THERE HAS BEEN AN ECS PARITY ERROR AT addr	Informative message. addr ECS address	Notify customer engineer.	EDITLIB
THIS DIRECTIVE NOT ON ONE CARD OR THERE IS NO TERMINATING DELIMITER	Informative message.	Correct problem and retry.	EDITLIB
THIS MAY BE A BAD BINARY DECK OR A PP PROGRAM WHICH IS NOT ALLOWED IN A USER LIBRARY	Informative message.	Correct problem and retry.	EDITLIB
THIS MAY BE A BAD BINARY DECK OR A PP IS NO TERMINATING DELIMITER	Informative message.	Correct problem and retry.	EDITLIB
THIS ROUTINE NOT ALLOWED - ROUTINE IGNORED	DSP was called to process a job with a predayfile and caller was not from system library. Job terminated.	No action required.	DSP
THIS SYSTEM DOES NOT HAVE ECS - ECS CHANGED TO DS.	User error.	Correct problem and retry.	EDITLIB
THIS SYSTEM DOES NOT HAVE ECS - EM CHANGED TO CM.	User error.	Correct problem and retry.	EDITLIB
THIS WILL BE A DESTRUCTIVE PERMANENT FILE DUMP. TYPE GO OR DROP	Warning message.	Type n.GO or n.DROP.	DUMPF
TID NOT ALPHANUMERIC - ROUTING IGNORED	Terminal identification must be two letters or digits.	Correct problem and retry.	DSP
TIME ERROR IN CONVERSION, WORD ZEROED	Informative message.	No action required.	LOADPF
TIME MUST BE ENTERED BEFORE CONTINUING	Informative message.	Enter time.	OUX
TMT F. INVALID ADDRESS	Fatal system error. Address of parameter block is outside of caller's field length.	Notify system analyst.	TMT
TMT NOT USER CALLABLE	User is not allowed to call PP overlay TMT.	Remove the call to TMT and rerun job.	TMT
TOO FEW FILES ON LOAD TAPE	Fewer files than specified on tape.	Correct problem and retry.	TLOAD
TOO FEW JOBS ON THIS FILE	Fewer jobs than specified on file.	Correct problem and retry.	TLOAD
TOO MANY CHAR.-S IN PARAM.	Fatal user error. Set name greater than 7 characters or VSN greater than 6 characters or internal mount system error.	System analyst should take a PP dump, trace MNT caller.	MNT
TOO MANY FLAWS FOR THIS DEVICE	IRCP has filled its available flaw table area, either because of the number of flaws entered, or because of the available central memory for flaws as displayed on top of the label initialization display.	Do not enter any more flaws. If more space is needed, rebuild the deadstart tape with the deadstart parameters adjusted.	IRCP
TOO MANY INPUT FILE NAMES ON COPYN	Maximum number of file names is 10.	Reduce the number of file names and retry.	COPYN
TOO MANY MUX CHANNELS	Number of interactive drivers required exceeds installation parameter IP.IND.	Notify system analyst.	111
TOO MANY MUX CHANNELS	INTERCOM problem.	Notify system analyst.	111
TOO MANY NAMES ON LIBRARY CARD LIMITS - 24 SYSTEM, NO USER 13 SYSTEM, 1 USER 2 SYSTEM, 2 USER	This error depends on format of control point area field used to hold global library set information. These limits do not apply to LDSET (LIB=libname) function.	Observe specified limits for library names, or use LDSET (LIB=libname) control statements instead.	LDRCNTL
TOO MANY PARAMETERS	Refers to FLAW and FREE type-ins and to assembled CMR flaws.	Enter one of the options listed on the left screen.	IRCP
TOO MANY PARAMETERS	Too many parameters specified.	Correct problem and retry.	TLOAD NOTE
TOO MANY PARAMETERS ARE GIVEN OR INVALID DELIMITER WAS USED	Informative message.	Correct problem and retry.	EDITLIB
TOO MANY PARAMETERS (LISTMF)	Fatal user error. More than allowed number of parameters in control statement.	Correct problem and retry.	LISTMF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
TOO MANY PUBLIC SETS	The system does not allow more than four public sets.	Reconfigure RMS devices so that there are less than five public sets.	IRCP
TOO MANY RBR CARDS OR TOO FEW FREE RBRs IN CM	User or operator error. The number of RBR cards specified by user exceeds number of free RBR headers for device in CM.	Correct RBR cards and retry.	LABELMS
TOO MANY RBR HEADERS - OUX	System software error.	Notify system analyst.	OUX
TOO MANY RBRs-LBL	Fatal system software error.	Notify system analyst. LABELMS is assembled to handle a maximum of eight RBRs per device. If more are needed, reassemble LABELMS and LBL changing N.MRBR to desired number.	LBL
TOO MANY TEXT CARDS IN THE INPUT RECORD	Maximum is 1040 characters.	Reduce the number of characters in the input record and retry.	COPYN
TRAILER LABEL NOT TERMINATED BY TAPEMARK	The tape spun-off task detected an error while processing the standard trailer label records. A tapemark is written by the spun-off task.	Take a dump of the field length of the spun-off task and notify system analyst.	SOTTP
TRAILER LABELS .GT. number WORDS	The tape spun-off task received standard trailer label records from SCOPE 2 which exceeded the allocated buffer space (number) in the spun-off task. A default trailer label is written by the spun-off task.	Take a dump of the field length of the spun-off task and notify system analyst.	SOTTP
TRANSFER ABORTED-WCW ERROR message DC,dc lfn	The spooling spun-off task has detected a bad W control word while receiving output file lfn, with disposition code dc from SCOPE 2. Refer to the ROUTE control statement in the NOS/BE Reference Manual for more information regarding the disposition code. The error is given in the message field. message Explanation CW PARITY Parity error in the W control word LEN GR MAX The length of the W record was greater than the maximum allowed for spooled output files NEG LENGTH Length in the W control word was negative The remainder of the output file transfer is truncated at this point.	Notify system analyst.	SOT76
TRANSFER DIRECTIVE VALID ONLY IN DEADSTART CREATION MODE	Informative message.	Correct problem and retry.	EDITLIB
jobname TRANSFER ERROR	Fatal software error. Job may be lost. jobname Name of job or file being transferred	Notify system analyst.	1QF
TRANSFERRED TO jobname	Dependent count in job jobname has been decremented as requested by TRANSF.	No action required.	JDP
TRANSMIT jobname,q-did/tid	Informative message. jobname Name of job or file being transferred q Queue in which the job or file is located I Input O Output P Punch E Execute S Special J JANUS did Destination identifier tid Terminal identifier	No action required.	GEMINI
TRANSPF ABORT-DEVICE NOT MOUNTED	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-DEVICE NOT ON LINE	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-EST BUSY BIT PROBLEM	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-EST OUT OF RANGE	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-EST PROBLEM	System software error.	Notify system analyst.	TRANSPF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
TRANSPF ABORT-FNT NOT FOUND	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-INTERVAL ERROR IN CCD	The system encountered an internal error in TRANSPF.	Notify system analyst.	TRANSPF
TRANSPF ABORT - IO ERROR RETURN ec	File action error. ec CIO error code (refer to the NOS/BE Reference Manual)	Notify system analyst.	TRANSPF
TRANSPF ABORT-LABEL READ ERROR	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-LABEL WRITE ERROR	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-LOST HARDWARE I/L	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-MST NOT FOUND	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-PERMISSION FILE ERROR	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-PRU I/O ERROR	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT PRU/RB OF TM AND FM DIFFER	When performing a master-to-member table transfer, the record block sizes of the first RBR of the two devices must be the same.	Ensure that the record block sizes of the two devices are the same by selecting a different to-member (TM) and retry.	TRANSPF
TRANSPF ABORT-RBR HEADER ABSENT	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-RBTC ERROR	Fatal system error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-REQ ERROR	Fatal system error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-SET FNT NOT FOUND	System software error.	Notify system analyst.	TRANSPF
TRANSPF ABORT-SET I/L PROBLEM	System software error.	Notify system analyst.	TRANSPF
TRANSPF...DAM HEADER BAD, AVAIL RES.GT.TOTAL RBS	System software error.	Notify system analyst.	TRANSPF
TRANSPF FINISHED	Informative message.	No action required.	TRANSPF
TRANSPF-NO TABLE ROOM ON TM	User error.	Retry.	TRANSPF
TRANSPF-PARITY ERROR	System software error.	Notify system analyst.	TRANSPF
TRANSPF-PFD FULL, ALL FILES NOT TRANSFERRED	PFD is not large enough for the desired transfer.	Increase the NF parameter on the ADDSET statement and retry.	TRANSPF
TRANSPF-REQUEST TO MOVE TABLES FOR SN=setname TO VSN=vsn	Warning message. If n.GO is typed, TRANSPF moves the device tables to device vsn. This device becomes the master device for set setname.	Type n.GO or n.DROP.	TRANSPF
TRANSPF SFS CALL WITH RB=0	System software error.	Notify system analyst.	TRANSPF
TRANSPF...TABLE TRANSFER FINISHED	Informative message.	No action required.	TRANSPF
TRANSPF TAT ABORT	System software error.	Notify system analyst.	TRANSPF
TRAY EMPTY	Informative message.	Reload card reader and make it ready.	1IR
TRIED TO READ IN OPPOSITE PARITY (BINARY/CODED)	If EP is set, system returns an error code; otherwise, the message TYPE G0xx OR DROP JOB is requested.	Correct problem and retry.	3IM
TRIED TO USE DOWNED UNIT	The operator attempted to assign tape unit xx, but the unit was down.	Drop or rerun job.	REQ
TRIED TO WRITE BLOCK LESS THAN MINIMUM ALLOWED	Fatal user error.	Correct problem and retry.	3IM
TRIED TO WRITE BLOCK LONGER THAN MLRS	Fatal user error, code 22.	Correct problem and retry.	3IM
TRIED TO WRITE NOISE RECORD	Fatal error.	Correct problem and retry.	6WM
TS MUST BE SPECIFIED	User error.	Retry.	TRANSPF
TWO CPUS EXIST BUT CMR ALLOWS ONLY ONE REDEADSTART AND TURN OFF CPU1.	The CMR selected was assembled with IP.MCPU=1 but the mainframe has two active CPUs.	Perform one of the following: - Turn off CPU1 with CTI *H* display - Select another CMR - Reassemble CMR with IP.MCPU=2	CONTROL

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
TWO DATES SPECIFIED	Fatal user error.	Check dates specified and retry.	DUMPF LOADPF
TYPE GO AFTER RUNNING RECOVER (SN=setname, V=vsn, MO=4, MF=mfid) ON OTHER MF	Operator message. Mount of a shared set failed. setname Set name vsn Volume serial number mfid Mainframe identifier	Run RECOVER as specified on another mainframe and type GO to reinitiate mount.	SETCCP
TYPE GO AFTER RUNNING RECOVER (SN=setname, V=vsn)	Operator message. Mount of a shared set failed. setname Set name vsn Volume serial number	Run RECOVER as specified at another control point and type GO to reinitiate mount.	SETCCP
\$ TYPE GO AND RUN RECOVER (SN = setname, V = vsn)	The system found inconsistencies in the permanent file tables for this set. setname Set name vsn Volume serial number	Type GO to abort the job and run RECOVER as soon as possible to resolve the inconsistencies.	PFA
TYPE GO, DROP OR RECHECK	Operator message. Dependency job not in system.	Correct problem and retry.	JDP
pfna TYPE Y OR NEW PFN	The deadstart spun off task is displaying the name of the permanent file which is to be used for SCOPE 2 deadstart.	Type n.CFO Y to use permanent file pfna or n.CFO pfnb to use permanent file pfnb. n is the control point number of the deadstart spun off task.	SOTDS
counta TYPE 1 CONFLICTS countb TYPE 2 CONFLICTS SUGGEST RUNNING RECOVER	Informative message. counta The number of tables with crossed record blocks countb The number of files with crossed record blocks	Run RECOVER to get details of conflicts.	RELABEL
T76 - BEGIN RECALL INTERVAL	Informative message.	No action required.	T76
T76 - CALLING PROGRAM BUFFER ADDRESS ERROR	Error in calling program.	Notify system analyst.	T76
T76 - END RECALL INTERVAL	Informative message.	No action required.	T76
T76 - ILLEGAL MESSAGE CODE	Error in station.	Notify system analyst.	T76
T76 - ILLEGAL PP CALL	Fatal user error. Peripheral processor routine T76 cannot be called from a nonsystem origin job.	Notify system analyst.	T76
T76 - ILLEGAL REQUEST PARAMETER	Error in calling program.	Notify system analyst.	T76
T76 - MESSAGE REQUEST ANSWERED	Informative message.	No action required.	T76
T76 - MESSAGE REQUEST POSTED	Informative message.	No action required.	T76
T76 - NOT CALLED FROM INTERCOM	Fatal user error. Peripheral processor routine T76 cannot be called from a non-INTERCOM control point.	Run job interactively from a terminal.	T76
T76 - PARAMETER ADDRESS OUT OF RANGE	Error in calling program.	Notify system analyst.	T76
T76 - REQUEST REJECTED BY STATION	Station could not service request.	Retry command.	T76
T76 - STATION ADDRESS OUT OF RANGE	Error in peripheral processor routine T76.	Notify system analyst.	T76
T76 - STATION CONTROL POINT ABORTED	T76 detected a user or station error.	Notify system analyst.	T76
T76 - STATION NOT RESPONDING	Station could not service request.	Retry command.	T76
T76 - UNRECOGNIZED REPLY FROM STATION	Error in station.	Notify system analyst.	T76
UBC IN FET TOO LARGE	Fatal user error. UBC specified in FET greater than 60.	Correct problem and retry.	3IM
UBC IN HEADER TOO LARGE	Fatal user error. Header word contains a UBC greater than 60.	Correct problem and retry.	3IM
UBC TOO LARGE	Unused bit count is greater than 59 in S or L tape control word or in seventh word of FET.	Correct problem and retry.	6WM
UNABLE TO DECREMENT DUMPF COUNT IN LABEL - RUN RECOVER	At EOJ of a DUMPF job a hardware error or a broken interlock for shared RMS prevented 1PC from reading or writing the master label.	Run RECOVER (mode 1, 2, or 4) before the next set of DUMPF jobs are run.	1PC
UNABLE TO FIND LABEL	Disk errors encountered while trying to find label, or there is no valid label.	Reassign or drop job.	ADS

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
UNABLE TO FIND PFD DEVICE	Fatal system software error.	Notify system analyst.	PFD
UNABLE TO LOCATE PGM prog ON lfn	EDITLIB could not find indicated program prog on file lfn.	Ensure specified program is on specified file and retry.	EDITLIB
UNABLE TO READ LABEL JUST WRITTEN	Fatal error unless EP set. Unit error or bad tape.	Certify tape and retry.	3IM
UNABLE TO WRITE BLANK LABEL	Fatal system error.	Notify system analyst.	LBL
UNABLE TO WRITE FROM LOADPOINT DUE TO BAD TAPE	A defective tape was detected. If the EP bit is set, control returns to the user program for error processing; otherwise, error is fatal.	Rerun job using a different tape.	3IM
UNABLE TO WRITE RBR TABLE-LABELMS	Fatal system error. Job is aborted.	Notify system analyst.	LABELMS
UNAUTHORIZED ENTRY INTO CEM	A user attempted to call CEM. The user job is aborted.	No action required.	CEM
UNCOR. RMS ERROR RESULTS UNCERTAIN	Fatal hardware error.	Notify system analyst. Reconfigure and deadstart.	RECOVER
UNCORRECTABLE RMS ERROR FILE NAME lfn FET ADDRESS addr DETAIL STS dddd dddd dddd dddd dddd dddd dddd dddd dddd dddd STATUS ssss cccc EQxx TRYnn ADDR aaaa bbbb cccc RBRxxxx R Byyyy PR Uzzzz RECORDED ADDR pppp qqqq	Return dependent on EP bit setting. Error code 04 returned in bits 9 through 13 of FET code/status. Uncorrectable device error was not recovered after 10 (octal) attempts to read/write a PRU. May be actual parity error, lost data, mispositioned disk address error, and defective track error. Controller status ssss; converter status cccc (for 6603, 6638, and 865); EST ordinal xx; physical address of bad PRU aaaa bbbb cccc; logical address xxxx, yyyy, zzzz; and recorded physical pppp qqqq are all octal. Last line appears only for 6638 disk units; aaaa bbbb not equal to pppp qqqq, indicates positioning error. DETAIL STS line appears only for 844-21 and 844-41 disk drives and gives detailed status information about error.	No action required. Added information is written in CERFILE. Notify customer engineer.	1SX
UNCORRECTABLE RMS ERROR FILE NAME lfn FET ADDRESS addr	System error. An RMS error was not recovered. Return is dependent upon EP bit setting. Error code 04 is returned in bits 9 through 13 of FET code/status field. For an 819 disk drive, only one message per 819 sector is put in job or system dayfile. lfn File name addr FET address	No action required. Added information is written in CERFILE. Notify customer engineer.	CEM
UNCORRECTABLE RMS ERROR FILE NAME lfn FET ADDRESS addr RMS ERROR INFORMATION LOST	Return dependent on EP bit setting. Error code 04 returned in bits 9 through 13 of FET code/status. Uncorrectable device error was not recovered after 10 (octal) attempts to read/write a PRU. Error information was lost because of concurrent hardware error. lfn File name addr FET address	No action required. Added information is written in CERFILE. Notify customer engineer.	1SX
UNEXPECTED RM ERROR ec ON lfn	Fatal software error. ec is CYBER Record Manager error code returned to the file information table of file lfn.	Notify system analyst.	GENLDPF PFLOG
UNEXPECTED RM ERROR ec ON PFC	Fatal software error. ec is CYBER Record Manager error code returned to the file information table of the permanent file catalog.	Notify system analyst.	PFLOG
UNEXPECTED RM ERROR ec ON TAPE	Fatal software error. ec is CYBER Record Manager error code returned to file LOGTAPE.	Notify system analyst.	GENLDPF PFLOG
UNIT DISCONNECTED	Fatal hardware error.	Redeadstart.	CONTROL
UNITuu DOWNED	Fatal hardware error. uu Unit number	Notify customer engineer.	1LC
UNIT NOT PHYSICALLY CONNECTED TYPE G0xx OR DROP JOB	Software error or operator changing unit number. xx EST ordinal	Correct problem and retry, or notify system analyst.	3IM
UNIT xx NOT READY-OP ABORT	Fatal error. Tape unit xx is not ready.	Ready the tape unit. The input and output tapes are automatically rewound. Restart the patching of the CTI/HIVS tape.	BNP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
UNIT RESERVED BY ANOTHER BC	If EP is set, system returns an error code; otherwise, the message TYPE G0xx OR DROP JOB is requested.	Notify system analyst.	3IM
UNKNOWN DEVICE TYPE SPECIFIED-LABELMS	Fatal user error.	Correct DT parameter and rerun.	LABELMS
UNKNOWN DEVICE TYPE SPECIFIED-RELABEL	Fatal user error.	Correct problem and retry.	RELABEL
UNKNOWN EQUIPMENT TYPE	The system does not recognize this device mnemonic.	Correct device mnemonic and try again.	IRCP
UNKNOWN LFN	Conditionally fatal user error (FDB return code = 003B). Logical file name specified or assumed not found. Error code passed to 1PD by PFM routines.	Correct problem and retry.	1PD
UNKNOWN *OP* FIELD	*OP* is not equated to a valid option character.	Correct the problem and retry.	DAYFILE
UNLOAD NOT ALLOWED ON INPUT	Fatal user error. UNLOAD statement or macro specified job input file or current CCL procedure file.	Remove UNLOAD statement or macro call.	1CL
UNRECOGNIZABLE ARGUMENT -- IGNORED	Nonfatal user error. A control statement parameter cannot be recognized, either because it is not valid for that control statement or because it is incorrectly specified.	Check statement parameters for validity, removing any nonvalid parameters. If valid, check parameters for errors and correct.	COMQARG
UNRECOGNIZABLE HEADER LABEL	Fatal error. Cannot read HDR1 label on tape.	Correct problem and retry.	3IM
UNRECOGNIZABLE HEADER - WILL NOT RELOAD FILE IF FIRST VOLUME	Informative message. If loading from a continuation tape, LOADPF will skip to next file. Can also mean that wrong tape was assigned.	Usually safe to ignore if only one instance and loading is from a continuation tape. Ensure that proper tape is being read.	LOADPF
param UNRECOGNIZABLE PARAMETER	Parameter param on EDITLIB control statement is not recognized by EDITLIB.	Ensure correct parameters and retry.	EDITLIB
UNRECOGNIZABLE TABLE	May be a bad binary or a PP program not allowed in a user library.	Regenerate binary and retry.	EDITLIB
UNRECOGNIZABLE TABLE FOLLOWING A PREFIX TABLE	Fatal error. Nonloader table encountered in a binary record.	Notify system analyst.	EDITLIB
UNRECOGNIZABLE TRAILER LABEL	Fatal error.	Correct problem and retry.	3IM
UNRECOVERABLE TAPE PARITY ERROR ON OPEN	Fatal system error.	Notify system analyst.	DUMPF
UNRECOVERABLE TAPE PARITY ERROR ON CLOSER	Fatal system error.	Notify system analyst.	DUMPF
UNUSABLE TAPE	Fatal user error.	Correct problem and retry.	PFLOG
UNUSABLE TAPE MOUNT NEW REEL HIT CR	System was unable to write header labels due to bad tape.	Mount a new tape and press carriage return.	CONTROL
UPDATED-type/name	Informative message. The record with type and name on the old file was replaced with the matching record from the replacement file.	No action required.	COPYL COPYLM
URT IN NEW CMR TOO SMALL TO ACCOMODATE URT FROM OLD CMR RECOVERY ABORTED	Fatal deadstart recovery error.	Perform a level 0 or 1 deadstart.	IRCP
USE E PARAMETER ON REQUEST CARD	Fatal user error.	Correct problem and retry.	GENLDPF
USE N PARAMETER ON REQUEST CARD	Fatal user error.	Correct problem and retry.	PFLOG
USE NORING ON REQUEST CARD	Fatal user error.	Correct problem and retry.	GENLDPF
USE STANDARD LABELS ON REQUEST CARD	Fatal user error.	Correct problem and retry.	GENLDPF PFLOG
USER DAYFILE PROCESSED	Informative message.	No action required.	DAYFILE
USER EDITLIB HAS DETECTED num ERROR CONDITIONS IN EXECUTION OF DIRECTIVES	Informative message. num Number of errors	Check output to find out which errors were detected.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
USER LIB NOW CONTAINS AN EMPTY PNT	Informative message.	Ensure library being modified is not empty and retry.	EDITLIB
USER LIBRARY COULD NOT BE FOUND ON FILE Lfn	Informative message. Lfn File name	Ensure correct file is specified and retry.	EDITLIB
USER NOT AUTHORIZED FOR PROGRAM	User's access level and permissions do not permit use of the system program.	Correct problem and retry.	1AJ
USER NOT AUTHORIZED TO CALL SYSTEM PROGRAM *TDS*	User's job aborted while attempting to call TDS.	Remove call to TDS from program and retry.	TDS
USER VALIDATION DENIED	Fatal user error. Either calling routine is not in system library or system is not in engineering mode and routine was not started from console.	Remove CVL call, put calling routine in system library, or turn on engineering mode.	CVL
xxxx USERS, aa ACNS, bbbbb BLOCKS	Informative message sent to B-display indicating the current status of ITF. xxxx Number of users using ITF aa Number of application connections active bbbb Number of blocks sent	No action required.	MFINT
USING CMR FROM INPUT FILE	Informative message. CMR is on LDCMR input file.	No action required.	LDCMR
USING SYSTEM LIBRARY lib	Informative message. Alternate system library lib is used. CMRLIB is default system library, but alternate library lib was specified in T.ENTRY+W.SGLIB. Alternate library overrides default.	No action required.	LDCMR
UTILITY FLAW MAP MISSING	Informative message on right screen of deadstart label display. List of flaws recorded on an 844-21 or 844-41 could not be read correctly.	Notify customer engineer.	IRCP
VERIFY PARAMETER OUTSIDE FL - VERIFY IGNORED	Verify parameter block outside user's field length. Job is aborted.	Correct problem and retry.	VEJ
VERIFYING LABEL	Informative message.	No action required.	RECOVER
VERIFYING MEMBERSHIP	Informative message.	No action required.	RECOVER
VERIFYING PFD-PFC	Informative message.	No action required.	RECOVER
VPB COMPLETE BIT ALREADY SET - VERIFY IGNORED	Fatal error. Verify parameter block complete bit already set. Job is aborted.	Correct problem and retry.	VEJ
VSN CONFLICT	Fatal system error.	Notify system analyst.	MNT
VSN=vsn, DAM dam count RBS NOT FREED USE RECOVER TO RELEASE THEM	Informative message. vsn Volume serial number dam Dam entry number count Number of record blocks	Notify system analyst. Since some RBs were not released, run RECOVER on device set to get a valid DAM.	1EV
VSN DOES NOT MATCH-LBL	Fatal system software error.	Retry.	LBL
VSN HAS ILLEGAL VALUE	Fatal user error. VSN parameter value contains illegal characters or more than 6 characters.	Correct problem and retry.	SETCCP
VSN HAS ILLEGAL VALUE-RELABEL	Fatal user error.	Correct VSN parameter in control statement.	RELABEL
VSN MUST BE SPECIFIED	Fatal user error.	Specify VSN in control statement.	SETCCP DMNT
VSN MUST BE SPECIFIED-RELABEL	Fatal user error.	Specify VSN in control statement.	RELABEL
VSN NOT FOUND IN SMT -DSM	Fatal system error.	Notify system analyst.	DSM
N.VSN. (PERIOD) WAS INPUT - IS THIS CORRECT TYPE N.YES OR N.NO	Informative message.	If this was an accident, enter n.No. Otherwise proceed by entering n.Yes.	3IN
VSN vsn OF SN setname IS NOT PRESENT IN SMT DEVxx device CHcc Eqe UNuu OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING	There are two ways this message can occur: - There is a disk on-line which has a valid SN, but VSN is no longer a part of the set. - Operator is trying to rewrite a label on a disk using M option for SN setname, but has selected an	Enter one of the options listed in the message.	IRCP

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
FREE - MAKE THE DEVICE FREE FOR PRIVATE USE	incorrect VSN. vsn Volume serial number setname Set name xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number		
VSN ON PACK DOES NOT MATCH	Operator incorrectly specified VSN parameter in control statement, resulting in VSN mismatch.	Specify correct VSN parameter, or reassign or drop device.	ADS
VSN PARAMETER REQUIRES SN PARAMETER	Both VSN and SN must be specified to allow access to the private set on the specified mainframe.	Correct problem and retry.	1PG GPF SPF
WAIT DEADSTART	Informative message appears on left screen during postdeadstart processing.	Enter date and time.	DSD
REQUIRED COMMANDS DATE MM/DD/YY. TIME HH.MM.SS. N.CFO	Appears on left screen at postdeadstart before time or date have been entered by operator.		
COMMAND TABLE DATE MM/DD/YY TIME HH.MM.SS	During this time, the operator may have to respond to further messages (B-display) with n.CFO command prior to completion of initialization.		
WAIT SET ACTIVITY TO CLEAR	Informative message.	Determine if jobs are using SET. If none are, and message persists, notify system analyst.	DLM
WAITING ALL QUIET	Checkpoint cannot be taken until all activity at control point ceases. CKP has detected another PP program, or there is an outstanding stack request.	If message remains over 2 minutes, notify system analyst.	CKP
WAITING - DISK FULL	Informative message.	Drop job, assign more mass storage, or wait until another job releases storage.	1PF
WAITING FOR ACCESS TO FILE	Informative message.	No action required.	1PF
WAITING FOR ALL QUIET	Informative message. MFLINK processing is waiting until all activity at the control point stops. SWT has detected another PP program or there is an outstanding stack request.	No action required.	SWT
WAITING FOR APF SPACE	Informative message.	No action required.	1PF
WAITING FOR ARCHIVED FILE	Informative message.	No action required.	1PF
WAITING FOR nnnnnn CM	Informative message. System is waiting for more central memory to become available so that it can increase the field length of a job. nnnnnn Words of central memory	No action required.	MEM
WAITING FOR DDP	Informative message.	If a DDP is being used for ECS buffering, turn on its EST ordinal. Otherwise, DROP or KILL control point to terminate job.	3D0
WAITING FOR nnnnn ECS	System is waiting for extended core storage to become available to assign it to the job associated with the control point where the message appeared. nnnnn Words of ECS	No action required.	MEM
WAITING FOR EDITLIB	INTERCOM and/or RMF waiting for EDITLIB to complete.	No action required.	111
WAITING FOR FILE ATTACHED ON OTHER MF	Informative message.	No action required.	1PF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
WAITING FOR FNT SPACE	Informative message.	Operator has option to drop job.	EPF 1DF REQ FNT TPF NSV LOADPF
WAITING FOR FREE EST	Informative message.	No action required.	DSM
WAITING FOR FREE GETPF	Informative message.	No action required.	GPF
WAITING FOR FREE SAVEPF	Informative message.	No action required.	SPF
WAITING FOR GETPF ST=xxx	Informative message. xxx ID of staging station	No action required.	PPF SPF CIO

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
WAITING FOR LDCMR INTERLOCK	There is another LDCMR running which may be hung.	Notify system analyst.	LDC
WAITING FOR N.X subsys	Subsystem subsys has not been assigned to a control point.	Activate subsys by typing n.X subsys. Alternate procedures can be provided for activating certain subsystems.	SSC
WAITING FOR OTHER USER TO DISMOUNT SET	TRANSPF must be the only job having a particular private set mounted if the master device tables are to be moved.	No action required. TRANSPF will resume when it is the only job having its set mounted.	TAT
WAITING FOR PF ACTIVITY ON SET TO CLEAR	Informative message.	Operator has option to drop control point if message remains an extended period of time.	TAT
WAITING FOR PF ARCHIVE TAPE vsn	Informative message. vsn Volume serial number	Mount archive tape identified by VSN.	1PF
WAITING FOR PF UTILITY	Informative message.	No action required.	1PF
WAITING FOR PURGE ST=xxx	Informative message. xxx ID of staging station	No action required.	PF SPF CIO
WAITING FOR RBT STORAGE	No empty chain member exists.	No action required unless the message persists for an unreasonably long time. In that case, notify system analyst.	3D0
WAITING FOR ROOM IN ECS	Informative message. Requested ECS is not available.	REQ waits for space to become available.	REQ
WAITING FOR SAVEPF ST=xxx	Informative message. xxx ID of staging station	No action required.	PF SPF CIO
WAITING FOR SET ACTIVITY TO CLEAR	Informative message.	Drop control point if message remains for an extended period.	TAT DLM
WAITING FOR SET I/L	Informative message.	No action required.	DSM LBL
WAITING FOR SET INTERLOCK	Informative message.	No action required.	DLM
WAITING FOR STORAGE	Operator message. Waiting for CM to be assigned.	No action required.	1BT RST RFL 111
WAITING FOR UNIT xx	Tape job is halted while waiting for tape unit with EST ordinal xx.	If tape is unloaded with save status, operator should remove write ring and remount; type ONxx.	REQ
WAITING FOR VSN=vsn,SN=setname	Informative message. vsn Volume serial number setname Permanent file set name	Put specified pack on an RMS device.	1PK
WAITING ON ACTIVE FILES SEE L-DISPLAY	Active files are being used by other jobs. They will be dumped when released by the other jobs.	No action required. Assign the L-Display to the job to see a list of active files.	DUMPF
****WARNING****	Informative message.	Follow instructions given in the message.	IRCP
ECS LABEL WILL BE REWRITTEN AT ANOTHER GO			
ECS LABEL PROCESSING WILL BE RESUMED BY CARRIAGE RETURN			
WARNING- VSN vsn OF SN setname IS NOT ON-LINE	Nonfatal error, since it is possible for system to run with a public device not mounted. vsn Volume serial number setname Set name	Enter one of the options listed in the message.	IRCP
OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING GO - CONTINUE WITH THE DEVICE OFF-LINE			

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
<p>WARNING - CONFIGURATION DOES NOT MATCH RMS DEVICE LABEL DEVxx device CHcc Eqe UNuu ATTEMPTING TO WRITE NEW LABEL ON A MEMBER OF A CHECKED SET</p> <p>OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING NEW - WRITE A NEW LABEL ON THE DEVICE, VSN vsn OF SN setname KEEP - KEEP AS VSN vsn OF SN setname</p>	<p>Informative message.</p> <p>xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name</p>	<p>Enter one of the options listed in the message.</p>	IRCP
<p>WARNING - CONFIGURATION DOES NOT MATCH RMS DEVICE LABEL DEVxx device CHcc Eqe UNuu</p> <p>OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING NEW - WRITE A NEW LABEL ON THE DEVICE, VSN vsn OF SN setname FREE - MAKE THE DEVICE FREE FOR PRIVATE USE</p> <p>LABEL SHOWS VSN vsn OF SN setname</p>	<p>Informative message.</p> <p>xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name</p>	<p>Enter one of the options listed in the message.</p>	IRCP
<p>WARNING - CONFIGURATION DOES NOT MATCH RMS DEVICE LABEL DEVxx device CHcc Eqe UNuu</p> <p>OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING NEW - WRITE A NEW LABEL ON THE DEVICE, VSN vsn OF SN setname KEEP - KEEP AS VSN vsn OF SN setname</p>	<p>Informative message.</p> <p>xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number vsn Volume serial number setname Set name</p>	<p>Enter one of the options listed in the message.</p>	IRCP
<p>WARNING - CONFIGURATION DOES NOT MATCH RMS DEVICE LABEL DEVxx device CHcc Eqe UNuu AT RECORDING MODE NOT ALLOWED NO 2XPPU OR CONTROLLER NOT 7154</p> <p>OPTIONS- EST - DISPLAY EST AND RESTART RMS LABEL PROCESSING</p>	<p>Operator message. A full-track recording mode pack cannot be used in deadstart, either because no 2XPPU speed is available or drive which pack is on does not have access to a 7154 controller.</p> <p>xx EST ordinal device Device name cc Channel number e Equipment number uu Unit number</p>	<p>Either rereadstart and turn on 2XPPU speed, move pack to a different drive, or type EST to return to EST display and check display for errors.</p>	IRCP
<p>WARNING - TERMINATORS ADDED BY IAP</p>	<p>Informative message. Missing terminators have been added to control statements passed by IAP.</p>	<p>No action required.</p>	IAP
<p>WCW ERROR message DC, dc lfn</p>	<p>The spooling spun-off task has detected a bad W control word while receiving output file lfn with disposition coded from SCOPE 2. Refer to the ROUTE control statement in the NOS/BE Reference Manual for more information regarding the disposition code. The error is given in the message field.</p> <p>message Explanation CW PARITY Parity error in the W control word LEN GR MAX The length of the W record was greater than the maximum allowed for a spooled output file NEG LENGTH Length in the W control word was negative</p> <p>The remainder of the output file transfer is truncated at this point. dc Disposition code</p>	<p>Take a dump of the field length of the spun off task and notify system analyst.</p>	S0T76
<p>WHAT REEL FOLLOWS vsn. TYPE j.VSN vsn2</p>	<p>Requires next VSN from operator. vsn Volume serial number</p>	<p>Enter volume serial number of next tape of multivolume set.</p>	3IN
<p>=WITH NO FOLLOWING VALUE -- IGNORED</p>	<p>Nonfatal user error. A control statement parameter is set equal to a null string. Parameter is ignored.</p>	<p>Follow equal sign with an appropriate value.</p>	COMQARG
<p>WORD COUNT IN HEADER EXCEEDS DATA IN BUFFER</p>	<p>Fatal user error. Header word during write nonstop was incorrect.</p>	<p>Correct problem and retry.</p>	3IM

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
WORKING ON ACTIVE FILES	Informative message.	Wait.	DUMPF
WRITE AT 200 BPI NOT ALLOWED ON 667	Fatal error. 667 is a tape unit.	Correct problem and retry.	3IM
WRITE ATTEMPT ON PROTECTED VOLUME	Fatal abort. No ring specified and write was attempted.	Request with ring if a write is desired.	3IM 6WM
WRITE ERROR	Fatal error. Parity error occurred during write to output tape.	Rewind tapes and restart the patching of the CTI/HIVS tape.	BNP
WRITE ERROR STATUS - DMS	Device hardware problems.	Notify system analyst.	DSM
WRITE NOT AT EOI ON PERMANENT FILE	Fatal error, code 22.	Correct problem and retry.	6WM
WRITE NOT AT EOI REQUIRES MODIFY PERMISSION	User error.	Get modify permissions for rewrites.	6WM
WRITE PARITY ERROR IRRECOVERABLE	If EP is set, system returns an error code; otherwise, a fatal abort.	Certify tape and retry.	3IM
WRITE PARITY ERROR RECOVERED	Informative message.	No action required.	3IM
WRITE REQUIRES EXTEND PERMISSION	Fatal error, code 22.	Correct problem and retry.	6WM
WRITING DAM TABLE	Informative message.	No action required.	RECOVER
WRONG NUMBER OF MAIN FRAMES RE-ASSEMBLE GEMINI AND MYQ FOR CONFIG	The GEMINI installation parameters are wrong.	Correct GEMINI installation parameters and reassemble.	GEMINI
WRONG NUMBER OF PARAMETERS	Informative message.	Correct problem and retry.	COMBINE
WRONG OR BAD QUEUE TAPE	Fatal error.	Retry with new tape or with correct type-in.	ADS
WRONG RECORDING MODE-OPP MODE USED	Nonfatal user error. User specified wrong recording mode on ADDSET control statement. Correct mode, taken from label, was used.	No action required.	ADS
WRONG TAPE, GO WHEN CORRECTED (RESTART)	Improper tape assigned or tape has been destroyed or overwritten.	Mount new tape before typing GO.	RESTART
X SPACE LOW SN=setname	The number of record blocks available for scratch files on the public set indicated has dropped to or fallen below the first (higher) system defined threshold. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
X SPACE NOT LOW SN=setname	The number of record blocks available for scratch files on the public set indicated has risen above the first (higher) system defined threshold.	Type ACK. to clear message.	2RN
X SPACE NOT OUT SN=setname	The number of record blocks available for scratch files on the public set indicated has risen above the second (lower) system defined threshold.	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
X SPACE OUT SN=setname	The number of record blocks available for scratch files on the public set indicated has dropped to or fallen below the second (lower) system defined threshold. The system is now in step mode. setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
XDQ - xxxxxxx ANY ROUTING TEXT LOST.	When dumping queue file xxxxxxx, DMPQ may have lost the associated routing text because of an I/O error when accessing the system logfile.	Notify system analyst.	XDQ
XL BUFFER POINT INVALID-CANNOT POSITION MF	Fatal user error.	Correct problem and retry.	3IM
XMISSN PARITY ERROR	Hardware error.	If message persists, redeadstart on different tape unit.	CONTROL
XREF LIST OVERFLOW - INCREASE THE SIZE OF BUF5	Fatal error.	Increase BUF5 buffer size and reinstall EDITLIB.	EDITLIB

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
Y LABELS ILLEGAL IN MULTI-FILE SETS	Fatal user error. Y parameter was specified on REQUEST statement, but Y tape labels are not allowed in multifile sets.	Specify another label type on REQUEST statement or have tape be unlabeled.	6IM
ZERO WORD COUNT FOR IAP	User error. Invalid call to peripheral processor routine IAP.	Correct error and retry.	IAP
ZERO WORD COUNT IN A LOADER TABLE	User generated an empty program.	Correct problem and retry.	EDITLIB
ZZZZCMR CATALOGED	Informative message. New cycle of ZZZZCMR with ID=SYSTEM has been successfully cataloged.	No action required.	LDCMR
OFx CCPyy CYzz PATaa RELbbbb	Front end macro memory loaded. Type is OFx, CCP version yy, source code cycle zz, patch level aa, NOS/BE 1 release level bbbb.	No action required.	OFA
1AJ CANT FIND routine	Generally indicates that a necessary routine (such as loader) is not a part of the system library.	Notify system analyst.	1AJ
1AJ CANT FIND ZZZZZ FILE	System error. System program file ZZZZZ03 or ZZZZZ04 is not in the FNT.	Notify system analyst.	1AJ
1AJ, 1ST LIB NOT CM RES	System error. Either the NUCLEUS library has an improper residence or NUCLEUS is missing.	Perform a level 3 recovery deadstart using 1.Y option or else rebuild deadstart tape.	1AJ
1EV ERR xxB	System software error. Possible values for xx: 5B Bad CM RBR ordinal 11B Attempt to clear an unset RB 12B Bad EX.RBT call 13B Bad MST ordinal in RBTC	Notify system analyst.	1EV
1GM CALLED AT IMPROPER TIME	Displayed if good morning routine called at other than 2400 hours.	Notify system analyst.	1GM
1I1 - INIDfid - FET ERROR CODE ec ON A READ ATTEMPT	The system encountered error ec. INTERCOM and/or RMF will not run. For description of error codes refer to NOS/BE Reference Manual. fid Terminal definition file identifier	Correct problem and retry.	1I1
1I1 - INIDfid FILE BAD.	The terminal definition file INIDfid has improper content or format. fid Terminal definition file identifier	Run TDFGEN utility to recreate INIDfid and retry.	1I1
1I1 - INIDfid FILE FNT NOT FOUND	The system is unable to find the FNT entry for the terminal definition file (INIDfid). INTERCOM and/or RMF will not run. fid Terminal definition file identifier	Notify system analyst.	1I1
1I1 - INIDfid FILE HEADER LABEL ERROR	Label or length of INIDfid permanent file header is incorrect. INTERCOM and/or RMF will not run. fid Terminal definition file identifier	Run TDFGEN utility and retry.	1I1
1I1 - INIDfid FILE NOT CATALOGED, TDFGEN HAS NOT BEEN RUN	A permanent file abort resulted from an attempt to attach the terminal definition file INIDfid. INTERCOM and/or RMF will not run. fid Terminal definition file identifier	Run TDFGEN utility and retry.	1I1
1I1 - INIDfid FILE - PF ERROR CODE ec WHILE ATTACHING FILE	The system encountered error ec. INTERCOM and/or RMF will not run. fid Terminal definition file identifier	Correct problem and retry.	1I1
1I1 - MUX SUBTABLES DO NOT EXIST FOR EST ORDINAL xx	The MUX subtables do not exist on the terminal definition file INIDfid from which INTERCOM and/or RMF is attempting to initialize. INTERCOM and/or RMF will not run.	Run TDFGEN utility for the desired terminal definition file INIDfid.	1I1
1LC IO SUSPENDED ON CHcc	Tape channel cc was removed from service at deadstart time or on tape scan. Failing channel has been removed from all tape equipment status tables.	Type ACK. When controller channel is repaired type UP, CHcc to restore channel to service.	1LC

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
1ND CHANNEL cc BUFFER BUSY	The driver is waiting for stack request to complete. cc Channel number	Notify system analyst.	1ND
1ND CHANNEL cc CANNOT DISCONNECT tid	The driver is unable to disconnect INTERCOM user tid before terminating. cc Channel number	Notify system analyst.	1ND
1ND CHANNEL cc rte CODEec	The driver has found an internal error in routine rte. The error is indicated by ec. ec is explained in the source code for 1ND. cc Channel number	Notify system analyst.	1ND
1ND CHANNEL cc INITIALIZED	The driver has begun to use the channel indicated. cc Channel number	No action required.	1ND
1ND CHANNEL cc TERMINATED	The driver has stopped running on the channel indicated. cc Channel number	No action required.	1ND
1ND CHANNEL cc UNABLE TO CLEAR REQUEST WORD	The driver is waiting for a user table request to clear. cc Channel number	Notify system analyst.	1ND
1ND CHANNEL cc UNABLE TO RELEASE INTERACTIVE LIMBO CHAIN	During termination, the driver could not return the unused interactive buffers to the system. cc Channel number	Notify system analyst.	1ND
1ND CHANNEL cc UNABLE TO RELEASE BATCH LIMBO CHAIN	During termination, the driver could not return the unused batch buffers to the system. cc Channel number	Notify system analyst.	1ND
1PC - BAD APF ENTRY FLAGGED BY DEADSTART RECOVERY	Informative message.	System analyst should take dumps of central memory (low 20K and RBT area) and run PFDUMP and AUDIT.	1PC
1PC - FILE IS NOW AVAILABLE	There was an incorrect PFD pointer in an attached permanent file entry.	File cannot be used until after level 0 or 1 deadstart. If file is on private pack, run RECOVER.	1PC
1PC - FILE IS NOW UNAVAILABLE, APF ORD = xxxx	There was an incorrect PFD pointer in an attached permanent file entry.	File cannot be used until after a level 0 or 1 deadstart. If the file is on a private pack, run RECOVER.	1PC
1PD SYSTEM ERROR ~ec	System error, PP hung. At present, the one possible value for ec is 01 Bad FDB address from system control point ec=system error number. Possible values for ec: 01 Interlock error 02 Bad APF ordinal in 1PF call 03 Invalid APF ordinal 04 Bad PRU index in PFD/PFC 05 S.PFMMF set in wrong APF entry 06 Invalid MST ordinal in JDT 07 APF interlock not held during SWAPOUT call 08 Bad function code	Notify system analyst.	1PD
1PK ERROR ecB	System software error. The error hangs a PP. The error code ec will have one the following values: 01 EST and DDT ordinals disagree 02 Invalid 1PK call 03 FET address outside FL 05 Invalid CM RBR ordinal 06 Nonexistent lfn 07 Invalid stack request ordinal 10 Invalid DDT ordinal in JDT entry	Notify system analyst.	1PK
LOGFILE INFO LOST	Operator message. Routing text for this queue file is no longer available. Queue file data remains intact.	Record queue file name and notify user. If possible, repeat process to place the file in a queue.	1QF

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
WAIT PFC SPACE	Operator message. Queue file processing is waiting for space in the PFC table on disk to create an entry for this queue file.	If the condition persists, release existing PFC entries by dumping queue files (DMPQ), evicting queue files no longer needed, or purging permanent files.	1QF
1QP SYSERR FROM addr	System software error discovered by 1QP at location addr.	Notify system analyst.	1QP
1RM - BAD CALL	1RM called with an illegal driver ordinal or could not locate the EST entry for the multiplexer it is to communicate with.	Notify system analyst.	1RM
1RM CHANNEL cc CANNOT DISCONNECT tid.	The driver is unable to disconnect the RMF user before it terminates. cc Channel number tid Terminal identifier	Notify system analyst.	1RM
1RM CHANNEL cc RMF DRVERR ec	The driver has found an internal error. The error is indicated by ec and explained in the source code for 1RM. cc Channel number ec Error code 01 Channel active after function 02 Channel not active when expected 03 Channel hung full 04 Channel not full when expected 05 Output terminated early by multiplexer 17B Channel flag held too long 20B No user table assigned 21B Interactive data format error 23B Limbo buffer pool error 24B Line state error or input buffer missing 25B Improper line request code	Notify system analyst.	1RM
1RM CHANNEL cc TERMINATED.	The driver stopped running on the channel indicated. cc Channel number	No action required.	1RM
1RM CHANNEL cc UNABLE TO CLEAR REQUEST WORD.	The driver is waiting for a user table request to clear. cc Channel number	Notify system analyst.	1RM
1RM CHANNEL cc UNABLE TO RELEASE INTERACTIVE LIMBO CHAIN.	During termination, the driver could not return the unused batch buffers to the system. cc Channel number	Notify system analyst.	1RM
1RN - FNT SPACE CRITICAL	FNT is nearly out of space.	Release unneeded files.	1RN
1S0 BAD SWAP FILE	Length of swap file written to disk is incorrect. 1S0 will kill system after issuing this message.	Notify system analyst.	1S0
1ST MF TO DS BUT ANOTHER MF IS LOGGED IN	Warning that other mainframes are logged in on this shared set, and they may be up and running.	When no other mainframes are actively using the set, type n.G0 to continue post deadstart. Otherwise, redeadstart with 6.N option.	RECOVER
2RN - type SPACE LOW SN=setname	The number of record blocks available for the type of files indicated on the public set indicated has dropped to or fallen below the first (higher) system defined threshold. type Type of files P Permanent files Q Queue files S System files X Scratch files setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
2RN - type SPACE NOT LOW SN=setname	The number of record blocks available for the type of files indicated on the public set indicated has risen above the first (higher) system defined threshold. type Type of file P Permanent files Q Queue files S System files X Scratch files setname Set name	No action required.	2RN
2RN - type SPACE NOT OUT SN=setname	The number of record blocks available for the type of files indicated on the public set indicated has risen above the second (lower) system defined threshold. type Type of file P Permanent files Q Queue files S System files X Scratch files setname Set name	Refer to Device Sets in the Operator/System Communications Principles section of the NOS/BE Operator's Guide.	2RN

<u>MESSAGE</u>	<u>SIGNIFICANCE</u>	<u>ACTION</u>	<u>ROUTINE</u>
2RN - type SPACE OUT SN=setname	The number of record blocks available for the type of files indicated on the public set indicated has dropped to or fallen below the second (lower) system defined threshold. The system is now in step mode. type Type of file P Permanent files Q Queue files S System files X Scratch files setname Set name	Refer to Device Sets in the Operator/System Communication Principles section of the NOS/BE Operator's Guide.	2RN
2ST - WAIT FNT FULL	Informative message. File name table is full and job is waiting for file name table space.	Notify system analyst.	2ST
2XPPU SPEED REQUIRED FOR FT PACK	Fatal user error. The pack specified in the ADDSET control statement has full track recording mode but 1XPPU speed is in use.	Using LABELMS, write a half track label on the pack and try the ADDSET again.	ADS
3TT CALLED FROM A NON-INTERCOM CONTROL POINT	Fatal system error.	Notify system analyst.	3TT
3TT DETECTED ZERO POINTERS-FET AT addr	INTERCOM problem. addr is file environment table address. The user attempted I/O without recall on a connected file and modified the file environment table pointers after the call to peripheral processor routine CIO/3TT.	Notify system analyst.	3TT
3TT FET/BUFFER NOT IN FL	After a request for a write without recall on a connected file, the user's RFL is below the FET address.	Do I/O with recall on the connected file. Rerun the job.	3TT
5CV STOPPED BY SYSTEM	Informative message. An error (such as operator drop) interrupted CEVAL processing.	Correct problem and retry.	5CV
6IM,HUNG. MSG NO.ERR	System error; conditionally hung PP.	Notify system analyst.	6IM
6WM ER - 1CR RC*	Software error.	Notify system analyst or drop job.	1CR
2 DEVICE MISMATCH TYPE N.NO AND REASSIGN	Two units of different controller types have been assigned to satisfy a multiple type request.	Type n.NO and reassign both units.	3RQ 61M
9 TRACK L TAPE REQUEST MUST BE ASSIGNED TO A 669 OR 679 UNIT	Operator error. User specified a 9-track L tape on a REQUEST statement, but operator assigned tape to a different type unit.	Retry.	REQ
200 BPI ON 667 UNIT. IS REQUEST FOR READ ONLY TYPE J.YES OR J.NO	Informative message.	Typing j.YES allows job to continue. Typing j.NO allows for reassignment to a non-667 tape unit.	6IM
800 NT REQUESTED, GE _{xx} ASSIGNED. TYPE J.NO AND REASSIGN	Operator message. Operator assigned wrong type tape unit.	Type j.NO and assign a non-group coded recording mode type tape unit. E or P display may be checked for an acceptable unit.	REQ
819 CODE NOT ASSEMBLED 819-S NOT ALLOWED -CR- TO ENTER EST	An installation parameter disabled the 819 source code.	Delete all 819 (AH) entries from the equipment status table or notify system analyst.	IRCP
819 IN PRIVATE SET IS ILLEGAL	Fatal user error. 819 devices cannot be part of a private set.	Use a device other than an 819.	ADS
819 QUEUE DEVICE IS ILLEGAL	819 devices may not have the Q attribute.	Remove the *Q from the ADDSET control statement and attempt the ADDSET again.	ADS
844 BC NOT RESPONDING CH _{cc} - CR TO GO	Buffer controller cannot be dumped. cc Channel number	Press carriage return.	CONTROL
844 CONTROLWARE -OSY- NOT FOUND ON DS TAPE DS WITHOUT 844	844 controlware is missing.	Redeadstart without 844 buffer controller.	IRP
6250 NT REQUESTED, NON-GCR UNIT _{xx} ASSIGNED. TYPE J.NO ADD REASSIGN	Operator message. Operator assigned a non-group coded recording mode unit when request was for a group coded recording mode unit. _{xx} EST ordinal of tape unit	Type j.NO and reassign tape to a GCR-type tape unit by typing GE. P display may be checked for an acceptable unit.	REQ

MESSAGE

SIGNIFICANCE

ACTION

ROUTINE

66x MTS DEADSTART ERROR MESSAGES

A fatal error occurred during deadstart.
Deadstart cannot continue. Subsequent
messages describe the error in more detail.

Notify customer engineer
and system analyst.

MDR

ABBREVIATIONS AND ROUTINES

A

AAM	Advanced access methods	CED	Deadstart PP control program
ABS	Dump CM - absolute address	CEJ	MTS coldstart bootstrap; central exchange dump
ACE	PP routine to advance control statement	CEM	Central error manager for ECS
ACK	Acknowledge	CERFILE	Hardware error file
ACN	Activate channel	CFO	Comment from operator
ACT	Helper for program ACCOUNT	CH, CHAN, CHN	Channel
ACTSUBCH	Active subchannel (station routine)	CIO	Circular I/O processor
ADDR, addr	Address	CKP	Checkpoint; saves information to restart a checkpoint job
ADR	Address	CKPFILE	Checkpoint file
ADS	ADDSET processor-add member to disk set	CLR	Clear
APF	Attach permanent file	CM	Central memory
APR	Diagnostic sequence	CMC	Central memory control
ARG	Argument	CMM	Common memory manager
ATS	Advanced tape subsystem	CMR	Central memory resident
AU	Allocation unit	CMU	Compare/move unit
AUTORCL	Autorecall	CNT	Count
AUX	Utility helper	COM	Deadstart option matrix
AX	Device mnemonic for ECS	COMBINE	Consolidate consecutive system logical records
B	Octal	COMTUNE	Tuning parameters common deck (station)
BC	Bit count; buffer controller; block count	COMQARG	Control statement argument processor routine
BFR	Before	CON	INTERCOM connect file to remote terminal
BKSP	Backspace	CONTR	Controlled
BL	Block	CONTROL	Deadstart PP programs
BT	Block type	COPYBF	Copy binary files
c, cc	Channel number	COPYBR	Copy binary records
CAP	Capacity	COPYCF	Copy coded files
CBKSP	Controlled backspace	COPYCR	Copy coded records
CC	Channel number; channel coupler	COPYN	Consolidate or merge files
CCL	CDC CYBER control language	COPYXS	Convert binary tape in X format to SI format
CD	Card		
CE	Customer engineer		

COUNT	Number of blocks, files, and so on.	DSD	System display
COUP	Coupler	DSM	Dismount disk device routine
CP	Central processing unit; card punch; control point	DSP	ROUTE/DISPOSE processor
CPARE	Compare	DSR	Deadstart recovery record block number
CPC	Central program control	DST	Device status table
CPMTR	Part of MTR residing in CM	DT,dt	Device type
CR	Card reader; carriage return	DTS	Deadstart dump for 66x and 67x drives
CRM	CYBER Record Manager	DUMPF	Dump permanent files to tape
CSU	Central storage unit	DVST	Device status
CT	Call type; for CATALOG	E,e	Equipment number
CVL	CE diagnostic validation routine	EBL	External bootstrap loader
CVST	Converter status	EC	REQUEST statement parameter to determine ECS buffer size; external characteristics
CY1	Resets FNT of file being processed by restart	ECLOAD	LDREQ option which specifies load input from ECS
D	Deadstart dump	ECS	Extended core storage
DAM	Device allocation map	ECSFL	Extended core storage field length
DC,dc	Disposition code	ECSSUB	ECS executive subroutines
DCN	Deactivate channel	EDITLIB	Construct/modify user/system library
DDP	Direct data path or distributive data path	EHS	EXPORT High Speed initializer
DDT	Dismountable device table	ELM	Logs extended memory error messages
DEC,dec	Detailed error code	ENR	Entry points definitions table
DEFNS	Definitions	EOF	End-of-file
DEV	Device	EOI	End-of-information
DIAG	Diagnostic	EOJ	End-of-job
DID,did	Destination identification	EOR	End-of-record
DIS	Console display program for a control point	EOT	End-of-tape
DISP	Dispose	EOV	End-of-volume
DIRABT	Direct abort	EP	Error processing bit in FET
DLL	Downline loads controlware	EPF	Send audit information to CM
DLM	DELSET processor - delete member from disk set	EPNT	Entry point name table
DMNT	Disallow mounting disk device	EPT	Entry point
DMP	Dump central memory	EQ, EQP	Equipment
DMPQ	Input, print, punch, file dump	ERR	Error
DS	Deadstart	ERT	External reference table
DSC	Data set controller	es	Error status

-ES-	Enhanced station executive	HDS	Help deadstart
EST	Equipment status table	HELLO7	Program that provides access to SCOPE 2 operating system
EXC	Exceeded	HT	Half-track recording mode
FAD	INTERCOM MUJ file attach/detach processor	IAP	INTERCOM initiate another program
FC,fc	Forms code	IL, I/L	Interlock
FDB	File definition block	IN	Pointer for circular buffer
FE	Front end	INC	Incomplete
FET	File environment table	INIT	Initiator
FFM	Factory flaw nap	INTLOCK	Interlock
FID	File identification	IOU	Routine that handles input and output
FIN	CDC CYBER control language function processor	IRCP	Deadstart main CP program
FIP	Facility Interface Program for RHF applications	IRG	Interrecord gap, deadstart RMS stack processor
FIR	First	IS	Index sequential
FIT	File information table	ITF	Interactive transfer facility, an RHF application initiator
FL	Field length	IUP	INTERCOM initiate user program
FLO	Field length override parameter	JC	Job statement
FLT	Name internal to RECOVERY for physical flaw table	JDP	Job dependency count decrementor
FLW	Flaw, name internal to RECOVERY for logical flaw table	JDT	Job descriptor table
FMK	Filemark	L	Long record stranger tape
FND	Find	LABELMS	Device set labeling
FNT	File name table	LBL	LABELMS helper
FO	File organization	LCC	Local communications controller
FST	File status table	LCD	INTERCOM LCC dump
FT	Full-track recording mode	LCN	Loosely coupled network
FTF	File transfer facility, an RHF application initiator	LDC	LDCMR utility helper
FTFS	FTF Server, an RHF application	LDCMR	Utility program to load and modify CMR
FWA	First word address	LDL	Loader utility program
GCR	Group coded recording mode at 6250 cpi	LDRCNL	Loader control statement processor
GEMINI	Improved load leveling control point program	LDSET	Changes local library set
GEN	Generator	LDV	Loads CM absolute overlays
GENLDPF	Reload permanent files according to PFC on tape	LDW	LDV helper
GPF	GETFF PP helper	LFN	Logical file name
GT	Greater than	LFT	Logical flaw table
HDRI	Tape label field	LGR	Last good record
		LI	Limit
		LID,lid	Logical identifier

LINSTAT	INTERCOM line status display routine	MSG	Issues dayfile messages
LISTCID	List core-image dump	MST	Mounted set table
LISTMF	Lists contents on labeled multifile sets	MT	Magnetic tape, 7-track
LM	Link medium	MTR	Monitor
LOADPF	Load permanent file from tape	MTS	Magnetic tape subsystem (66x tape driver)
LOC	Load octal corrections	MUJ	INTERCOM multi-user job
LOGINRPFY	Login reply routine (station routine)	MUX	Multiplexer
LP	Line printer; parameter length	NF	Number of files
LPF	Reloads permanent file	NM	Rename; number of members
LRGBUF	Large message buffer	NPU	Network processing unit
LR	580-12 printer	NSV	PP helper for CP VSN
LS	580-16 printer	NR	No recovery
LT	580-20 printer; less than	NT	Magnetic tape, 9-track
LTB	Library directory	OAM	Hardware output instruction
LWA	Last word address	OP	Operation
MAB	Mainframe attribute block	OPP	Opposite
MAC	INTERCOM MUJ accounting/error processor	ORD, ord	Ordinal
MAX	Maximum	PAK	Disk pack management routine
MBL	Maximum block length	PAM	PFC allocation map
MDF	Memory dump file	PAR	Parity, parameter
MDI	Used by EDITLIB to handle I/O involved in changing and moving the directory	PARAD	Parameter address
MDR	Deadstart 66x driver	PARAM	Parameter
MEJ	Monitor exchange jump	PASSON	NOS/VE interactive terminal processor
MEM	Process memory function; member; memory	PCM	Permanent file catalog allocation map
MES	Routine that processes messages from the central site operator to INTERCOM terminals	PF	Permanent file
MF	Multifile; mainframe	PFA	Permanent file ATTACH function processor
MFID,mfid	Mainframe ID, same as PID	PFC	Permanent file CATALOG function processor; permanent file catalog
MFINT	Multi-user program to allow interactive access to another mainframe using RHF	PFCCP	Permanent file control statement processor
MFLINK	Routine to allow file transfers using RHF	PFD	Permanent file directory
MFSTAT	Multimainframe station	PFE	Permanent file EXTEND function processor
MLRS	Maximum logical record size	PFLOG	Dump permanent file catalog to tape
MMF	Multimainframe	PFN	Permanent file name
MNT	Mount	PFP	Permanent file PURGE function processor
		PFR	Permanent file RENAME function processor

PFT	Physical flaw table	RD	Read password definition; read
PGM	Program	REC	Record
PID, pid	Three character physical identification of a mainframe	RECOVER	Validate a device set and reconstruct tables
PIDL	Program identification and length table	RELABEL	Relabel RMS device
PNT	Program name table	REPL	Replication of text table
PNUT	EDITLIB table	REQ	Request
POS	Position	REQFILE	Request file procedure (station)
PP	Peripheral processor	RESTART	Restart a job from a check point tape
PPLIB	Peripheral processor library	REV	Reverse
PPNT	Peripheral processor name table	RFL	Running field length
PPS	Peripheral processor subsystem	RHF	Remote Host Facility
PPU	Peripheral processor	RMNT	Remount
PR	Pair; purge	RMF	Remote Maintenance Facility
PRM	Permission checking function	RMS	Routine for CERMS; rotating mass storage
PRU	Physical record unit	RP	Retention period
PSR	Programming systems report	RPE	Read parity error
PTR	Pointer	RPV	Reprieve central program
PW	Password	RRD	Reread
QAC	Queue acquire routine	RST	Restores control point area of restart job
QAF	Queue acquire routine	RT	Record type
QF	Queue file	rtn	Routine
QTF	General term for queue file transfer facility consisting of the two RHF applications QTFI and QTFS	RVD	Recovered
QTFI	QTF initiator (sender)	S	Stranger type
QTFS	QTF server (receiver)	SAC	PP routine - ECS segment activity count
QUEDUMP	Dump/restore I/O queues	SC	Device mnemonic for 6673/6674
RA	Reference address	SCP	System control point
RANTOSEQ	Random to sequential processing	SCR	Status control register
RB	Record block	SD	System device
RBN, rbn	Record block number	SECEDED	Single-error correction/double-error detection
RBR	Record block reservation table	SEL	Select
RBT	Record block table	SEQTORAN	Sequential to random processing
RBTC	Record block table catalog code	SETCCP	Device set control statement processor
RCVRACTIVE	Recover active	SFS	System software
RCW	Recovery control word	SI	System internal

SID	Source identification	TLOAD	Loads jobs from tapes
SKIPB	Skip backward system logical records	TM	Tape mark
SKIPF	Skip forward system logical records	TMT	Table maintenance helper
SMT	Set member table	TRANSF	Decrement dependency count
SN	Set name; serial number	TRANSPF	Transfer permanent file
SNR	System noise record	TRANSR	Transfer to dependent job
SOT	Spun-off task (station routine)	TS	Time share
SOTDP	Dead dump spun-off task (station routine)	T.SSCT	Subsystem control table
SOTDS	Deadstart spun-off task (station routine)	T76	INTERCOM interface to station control point
SOTMSG	Message handling spun-off task (station routine)	U	Unit
SOTPF	Permanent file staging spun-off task (station routine)	UBC	Unused bit count
SOTPF6	Permanent file staging spun-off task (station routine)	UFM	Utility flaw map
SOTSP	Spooling spun-off task (station routine)	UN	Unit
SOTTP	Tape staging spun-off task (station routine)	UNCRT	Uncertain
SOT76	Spooling spun-off task for SCOPE 2 (station routine)	UNLD	Unloaded
-SP-	Spun off task	UP	User processing bit in FET
SPF	SAVEPF PP helper	URT	Unit reservation table
SPOT	Spun off task	UTIL	Utility
SSC	Subsystem call	uu	Unit number
SSF	Subsystem function	VEJ	Verify job statement
SSH	Station's system helper	VPB	Verify parameter block
ST	Station bit in FET	VSN	Volume serial number
STD	Station driver	WD	Word
STF	Copies central memory into user buffer area	WP	Word pair
STS	Status call	WRT	Write
SUBST	Supplies entry point names to be used as substitutes	XDQ	PP portion of dump queue
SYS	System	XFER	Transfer point table
TAB, TBL	Table	XJ	Exchange jump
TAT	PF set table system access	XL	Extend label-processing bit in FET
TDS	Terminate deadstart	XMISSN, XMSN	Transmission
TERM	Terminal	ZZZZZ01	System library reset file
TID, tid	Terminal identification	ZZZZZ02	System library restore file
		ZZZZZ23	System library directory file
		1AJ	Advance job
		1B0	Asynchronous job terminator
		1BR	INTERCOM buffer manager
		1BT	Blank label tape routine

1CL	Close function for all nontape or nonpermanent files	1P2	Tape recovery write driver
1CR	Tape read recovery-write CM for 9-track tapes	1P3	Tape recovery verification driver
1CS	Tape read recovery-write CM for 9-track tapes	1P4	Tape recovery to LGNR positioning driver
1CT	Tape read recovery-write CM for SCOPE tapes	1QF	I/O queue file manager
1DF	Dump dayfile	1QP	INTERCOM Quantum calculator and MUJ servicer
1DL	Overlay loader and dayfile message processor for DSD	1RC	Restores field length of a checkpointed job
1EJ	End of job processor	1RP	End-of-reel processor
1EV	Off line evict processor	1RS	Read stranger tape driver
1GM	Issues GOOD MORNING	1RT	SI tape read driver
1HS	EXPORT High Speed driver	1R2	Tape read recovery - tape parity error recovery 1
1IB	Initiates batch job from input queue	1R3	Tape read recovery - tape parity error recovery 2
1IR	Main JANUS routine; drives readers, printers punches, etc.	1R9	SI 9-track tape read driver
1I1	INTERCOM initialization	1SC	Read status/control register errors in CERFILE
1LC	Load tape controller conversion tables	1SO	Swap-out or roll-out a job
1MF	Multifile tape driver	1SP	Mass storage I/O processor (stack processor)
1MH	Tape scheduling/prescheduling routine	1SX	Error message and abort function for stack processors
1MR	Routine that monitors the maintenance registers	1TF	Tape forward motion routine
1MT	Long record stranger tape driver	1TJ	Translate job statement
1ND	2550 NPU front end driver	1TO	Tape open routine
1NI	INTERCOM 5 255x initializer	1TS	Tape sampler
1NP	INTERCOM 5 batch processor	1WI	SI tape write driver
1NR	NT read driver	1WS	Stranger tape write driver
1NW	NT write driver	1W9	SI 9-track tape write driver
1NO	Tape read recovery noise record verifier	1XPPU	One times PPU (speed)
1N2	Tape noise record read recovery, read forward 1	2RN	1RN overlay - check available disk space
1N3	Tape noise record read recovery, read forward 2	2ST	MMF CIO staging processor
1OP	File open routine for nontape files	2TB	Reverse tape motion
1PD	Called by PFA to enter event stack, call another PP routine, or swap out	2XPPU	Two times PPU (speed)
1PF	Permanent file error recovery	3D0	Initialize allocatable device file
1PG	PURGE(MMF)	3IE	66x/67x basic error processor
1PK	PF set coordinator	3IF	66x/67x multifile processor
1P1	Tape recovery positioning driver	5CV	CVL overlay remote network access
		71D	Auxiliary error processor for RMS I/O

COMMENT SHEET

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