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Program Product

MVS/370 Utilities Messages

Data Facility Product 5665-295

Release 1.1

Third Edition

Third Edition (August 1986)

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GN26-8134-00 (dated 30 March 1984)

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PREFACE

This publication lists the messages produced by the IBM-supplied utility programs contained in MVS/370 Data Facility Product (MVS/370 DFP). It explains the causes of the messages, describes accompanying actions by the operating system, and suggests appropriate responses. The messages are found in alphameric order by message identification.

The tables at the beginning of this publication explain the codes used throughout the book as part of problem determination. They describe the actions to be taken by the user before calling IBM for programming or hardware support.

RELATED PUBLICATIONS

Within the text, references are made to the publications listed in the table below.

Short Title	Publication Title	Order Number
Data Management Macro Instructions	MVS/370 Data Management Macro Instructions	GC26-4057
Same	IBM 3262 Printer Model 5 Product Description	GA24-3936
Same	IBM 3800 Printing Subsystem Programmer's Guide	GC26-3846
Same	IBM 3800 Printing Subsystem Model 3 Programmer's Guide: Compatibility	SH35-0051
Same	IBM 4248 Printer Description	GA24-3927
Same	Reference Manual for the IBM 3800 Printing Subsystem	GA26-1653
Same	Reference Manual for the IBM 3800 Printing Subsystem, Model 3	GA32-0050
SPL: Data Management	MVS/370 System Programming Library: Data Management	GC26-4056
System Messages	MVS/370 Message Library: System Messages, Volumes 1 and 2	GC28-1374 and GC28-1375
Utilities	MVS/370 Utilities	GC26-4065

SUMMARY OF AMENDMENTS

RELEASE 1.1 UPDATE, MARCH 1984

NEW DEVICE SUPPORT

Information for the IBM 4248 and 3262 Model 5 Printers has been added to message IEBA52I.

RELEASE 1.1, OCTOBER 1983

The following messages have been added for IEBCOPY:

- IEB19AI
- IEB19BI
- IEB19CI
- IEB19DI
- IEB19EI
- IEB19FI
- IEB19GI
- IEB19HI
- IEB19JI
- IEB19KI
- IEB190I
- IEB191I
- IEB192I
- IEB193I
- IEB194I
- IEB195I
- IEB196I
- IEB197I
- IEB198I
- IEB199I

The following message has been added for IEBIMAGE:

- IEBA51I
- IEBA52I

The following messages have been added for IEHMOVE:

- IEH476I
- IEH477I

Various service changes have been made throughout the manual.

CONTENTS

PROBLEM DETERMINATION

Problem determination is the activity required to identify a failing hardware unit or program and determine who is responsible for maintenance.

Problem determination is accomplished by using the procedures specified by IBM. In some cases, these procedures may be initiated by a message or code which requires operator or programmer response. The response may include the requirement for additional problem-related data to be collected and will attempt, where possible, to indicate "probable" failure responsibility.

Throughout this publication, problem determination information is included for applicable messages and codes under the heading "Problem Determination." Standard problem determination actions are identified by number as items of Tables I and II. Unique actions are identified following the list of standard actions to be taken. In any case, it is intended that the specified actions be taken before calling IBM for support.

TABLE I

Note: If the problem recurs, follow the problem determination aids specified by the associated message or code before calling IBM for support.

1. Make sure that MSGLEVEL=(1,1) was specified in the JOB statement.
2. Save the appropriate hard-copy console output.
3. Save the job stream associated with the job.
4. Save the system output (SYSOUT) associated with the job.
5. Make sure that the failing job step includes a:
   a. SYSABEND DD statement.
   b. SYSUDUMP DD statement.
   c. PL1DUMP DD statement.
   d. SYSMDUMP DD statement.
6. Make sure that the PARM parameter of the EXEC statement specifies the following, as appropriate:
   a. MAP
   b. LIST
   c. DIAG
   d. MSG=AP
   e. CORE, if applicable
   f. XREF
   g. DUMP
7. If SMP is used to make all changes to the system, execute the LIST CDS and LIST PTFBY functions of SMP to obtain a list of the current maintenance from the SMP control data set (CDS). If any changes are made to the system without using SMP, execute the LISTIDR function of the AMBLIST service aid program to obtain a list of all members with a PTF or local fix, and save the output. Execute the program against the:
   a. SYS1.LINKLIB data set
   b. SYS1.SVCLIB data set
   c. Library containing the program that issued the message
8. Not applicable.
9. Execute the AMBLIST service aid program to obtain:
   a. An object module listing, specifying the LISTOBJ function
   b. A load module map and cross-reference listing, specifying the OUTPUT=BOTH option of the LISTLOAD function
10. Have a copy of the Message Control Program (MCP) available.
11. Execute the AMDSADMP service aid program to dump the contents of real storage and page data sets on magnetic tape.

    After restarting the system, execute the GO function of the AMDSADMP service aid program to print the real storage portion of the dump tape produced by AMDSADMP.

    Save both the tape from AMDSADMP (should further information from the tape be required) and the listing from AMDSADMP.
12. Execute the SEREP program, and save the resulting output.
13. Save all the associated output.

14. The normal response to this message requests the programmer/operator to execute a specific program. Save all output from that program.

15. Save the program listing associated with the job.

16. Save the dump.

17. Have the system generation (SYSGEN) output available from:

    a. Stage I

    b. Stage II

18. Execute the IFCEREP0 service aid program, specifying PARM=(N), to dump the SYS1.LOGREC data set and save the resulting output. For MSS, execute the following program to dump the SYS1.LOGREC data set:

    a. Service aid IFCISDA0.

    b. Program ISDASDA0 with the DETAIL(ALL) parameter.

19. Save the assembly listing associated with the job.

20. Save the control cards associated with the job.

21. Save the compiler output associated with the job.

22. Save the source input associated with the job.

23. Save the source program listing associated with the job.

24. Run OLTEP diagnostics for the problem device and save the output.

25. Execute the IEHLIST system utility program to obtain a list of the:

    a. Volume table of contents of the associated volume, specifying the FORMAT option

    b. Volume table of contents of the associated volume, specifying the DUMP option

    c. Directory of the associated data set

    d. System catalog

26. Execute the IEBPTPCH data set utility to:

    a. Print the directory of the applicable data set

    b. Print the applicable data set

    c. Print the applicable member

    d. Print the applicable procedure

27. Have the linkage editor/loader map available.

28. Save the associated volume.

29. Contact IBM for programming support.

30. Contact IBM for hardware support.

31. Use IEBCOPY to unload SYS1.IMAGELIB to tape.

32. Have a list of RACF-defined entities available.

TABLE II: GTF FOR PROBLEM DETERMINATION

Format 1: Tracing without prompting for event keywords.

Before reproducing the problem, have the system operator issue a START GTF command specifying tape output, MODE=EXT, and TIME=YES. In response to message HHL100A, he should type TRACE=opt, where opt is the trace option keyword indicated for the particular message or code, within the text of his reply.

When data for the problem has been recorded, run the AMDSADMP service aid program using the EDIT statement to format the trace output, specifying DDNAME=(ddname of the trace data set).

Format 2: Tracing with prompting for event keywords.

Before reproducing the problem, have the system operator issue a START GTF command specifying tape output, MODE=EXT, and TIME=YES. In response to the message HHL100A, he should specify the trace option keywords indicated for the associated message or code within the text of his reply. Then, in response to the message HHL101A, he should specify the event keywords also indicated with the associated message or code.

When data for the problem has been recorded, run the AMDSADMP service aid program using the EDIT statement to format the trace output, specifying DDNAME=(ddname of the trace data set).

Format 3: Specialized tracing action.

Before reproducing the problem, have the system operator issue a START GTF command specifying tape output, MODE=EXT, and TIME=YES. In response to message HHL100A, he should type 'TRACE=SYS,USR'. The DD statement for a data set in error should specify DCB=DIAGNS=TRACE.

When data for the problem has been recorded, execute the EDIT function of AMDSADMP specifying the options SYS and USR=FFF.

Component Name: IEB

Program Producing Message: IEBCOMPR, IEBCOPY, IEBDG, IEBEDIT, IEBGENER, IEBISAM, IEBPTPCH, IEBTCRIN, IEBUPDTE, IEBIMAGE.

Audience and Where Produced:

- **For programmer:** SYSPRINT data set
- **For operator:** Console

Message Format

IEB*nnn*I *text*

nnn—Message serial number, which is coded to indicate the utility program:

A*nn*	IEBIMAGE
0*nn*	IEBEDIT
1*nn*	IEBCOPY
2*nn*	IEBCOMPR
3*nn*	IEBGENER
4*nn*	IEBPTPCH
6*nn*	IEBISAM
7*nn*	IEBDG
8*nn*	IEBUPDTE
9*nn*	IEBTCRIN

message type—A single alpha character indicating the type of message that has occurred. Messages fall into one of the four following categories listed below:

- I—information: no specific action is requested;
- D—decision: decision must be chosen from among alternatives and action performed;
- A—action: a special action must be performed now;
- E—eventual action: an action must be performed when time is available.

text—Message text.

Comments: Messages indicating job termination can be interpreted three ways:

- If the utility program was invoked, a return code is passed to the calling program with the option to terminate.
- If the utility program represents one step of a multistep job, the job step is terminated.
- Otherwise, the job is terminated.

Problem Determination: Refer to the tables following the Contents for problem determination instructions.

IEBIMAGE PROGRAM MESSAGES

Note: The "library data set" mentioned in some of these messages can be on SYS1.IMAGELIB or, temporarily, on another library for later transfer to SYS1.IMAGELIB.

IEBA01I IEBIMAGE UTILITY COMPLETE. RETURN CODE = *return code*

Explanation: The utility has completed execution. The *return code* indicates the greatest severity of error found in any of the requested operations:

00	Successful completion, operation(s) performed as requested.
04	Operation(s) performed, investigate messages for exceptional circumstances.
08	Operation(s) not performed. Investigate messages.
12	Severe exception. Utility may terminate.
16	Catastrophic exception. Utility terminated.
20	SYSPRINT data set could not be opened. Utility terminated.
24	User parameter list invalid. Utility terminated.

System Action: IEBIMAGE processing is terminated.

Programmer Response: Examine the *return code* to determine the degree of successful execution. If the return code is '08' or greater, the preceding messages must be investigated and resolved and the job rerun.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA02I MEMBER (*member name*) {ADDED | REPLACED} IN DIRECTORY

Explanation: The specified member has been placed into the library and a directory entry added or replaced in the PDS directory.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: None.

Problem Determination: None.

IEBA03I NO SPACE IN DIRECTORY.

Explanation: A STOW macro has been issued but all directory blocks for the data set specified by the SYSUT1 DD card have been used.

System Action: The IEBIMAGE program continues processing the next control statement, but subsequent writing to the library data set is inhibited.

Programmer Response: Using utility programs such as IEBCOPY and IEHPROGM the data set may be recreated, allowing for more directory entries.

Problem Determination: Table I, items 1, 3, 4, 22, 25c, 29, 31.

IEBA04I PERMANENT I/O ERROR IN {PDS. | DIRECTORY} unit address, device type, ddname, operation, error description, last seek address, access method

Explanation: During writing to the specified library an I/O error occurred.

System Action: IEBIMAGE processing is terminated.

Programmer Response: Rerun the job.

Problem Determination: Table I, items 1, 13, 22, 30, 31.

IEBA05I FCB SPECIFICATION BEYOND RANGE OF FORM.

Explanation: The keywords supplied on the FCB control statement have specified channel controls beyond the last byte of the FCB image.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the FCB control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA06I PARAMETERS SPECIFIED IN (LOC) KEYWORD RESULT IN X(FF), AN UNPRINTABLE CHARACTER.

Explanation: During processing of a TABLE operation, the LOC keyword contained a parameter group in the following specification (23, 3F, 03). The "3F" index into WCGM '03' is specifically reserved to represent an unprintable character. The message does not inhibit the construction of the character arrangement table, but this character will not be printed.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: If an unprintable character is desired, specify only the character arrangement table location, that is (LOC=23). To specify a printable character the WCGM or the CGMID reference must be changed and the job rerun.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA07I MODULE TOO LONG OR TOO SHORT

Explanation: The INCLUDE statement requested an FCB module with a length field too large for the virtual storage occupied by the module, or too small to describe a valid FCB. Maximum size for COPYMOD is 8196 bytes, and for GRAPHIC is 64 segments. For FCB, the LPI keyword specifies lines beyond that specified by the SIZE keyword.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Respecify COPYMOD statements to optimize storage usage. If more than 64 segments are needed for 'GRAPHIC', up to four 'GRAFMODS' can be created and their names included into this appropriate character arrangement table. For FCB, SIZE keyword determines maximum number of lines. Respecify the control cards and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 26c, 29, 31.

IEBA08I NO MEMBER NAME SPECIFIED.

Explanation: No NAME control statement or no name was specified on the NAME or INCLUDE statement.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Supply the missing 1-to 4-character name and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA09I DUPLICATE MEMBER NAME FOR {membername}, MEMBER NOT ADDED.

Explanation: A request was made to add a member to the specified library whose directory currently contains the name of

a member equal to that of the name of the member to be added.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Change the name of the member to be added or if the member currently on the library is no longer needed, specify the replace option (R) on the NAME control statement.

Problem Determination: Table I, items 4, 13, 22, 25c, 29, 31.

IEBA10I. MEMBER (membername) NOT FOUND.

Explanation: While processing the utility control statements, the name specified could not be found on the library directory. If this message precedes message IEBA42I, control card specifications are erroneous; otherwise it is a warning only.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Ensure that the name specified is correct and resubmit the job if necessary.

Problem Determination: Table I, items 4, 13, 22, 25c, 29, 31.

IEBA11I FCB NOT MULTIPLE OF 1/2 INCH.

Explanation: The form length as described by the LPI keyword is not a multiple of one half inch. Any lines not specified by the LPI keyword default to 6 LPI, up to the length of the form (as specified by the SIZE keyword).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the LPI keyword specifications and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA12I CONTINUATION INVALID.

Explanation: A control statement was found that is not in proper format for a continuation statement. Columns 1 through 15 must be blank and the continuation information must start in column 16.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Change either the control statement that indicates continuation (it is non-blank in column 72), or ensure that the subsequent control statement is specified properly.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA13I PREVIOUS INCLUDE STATEMENT INVALID FOR THIS OPERATION, IT IS IGNORED.

Explanation: If an INCLUDE control statement precedes a FCB control statement or a print-only request, it is invalid and is ignored. If multiple INCLUDE statements are present, only the last INCLUDE statement is used.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: Remove unnecessary INCLUDE statements and rerun job, if necessary.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA14I PARAMETER(S) INVALID FOR KEYWORD (keyword).

Explanation: Parameters for the indicated keyword have been incorrectly specified. There are too many characters, or too many parameters, or incorrect parameter specification. It may also mean that the number of lines described by the LPI keyword exceeds the length of the form as described by LINES or SIZE.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the parameter specifications and resubmit the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA15I KEYWORD (keyword) INVALID FOR THIS OPERATION.

Explanation: The indicated keyword is not valid for the current operation.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and resubmit the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA16I OPERATION INVALID - operation.

Explanation: The indicated operation is incorrectly specified, is not in the proper sequence, or is missing a name statement.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the indicated control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA17I INVALID CONTROL CARD FORMAT.

Explanation: Either the control statement has an incorrect label, or it is a blank card image.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and resubmit the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA18I INVALID SEQUENCE FOR INITIAL COPY NUMBER, IN SEGMENT segment number.

Explanation: In an existing module that was either built or modified by other than the IEBIMAGE utility, the indicated segment has an initial copy member that is lower than the previous segment.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Using the INCLUDE with the DELSEG keyword, delete the appropriate segments.

Problem Determination: Table I, items 4, 13, 22, 26c, 29.

IEBA19I DATA SET NOT FOUND, DSNAME = dsname

Explanation: The indicated data set could not be found during the issuance of an OPEN macro.

System Action: IEBIMAGE processing is terminated.

Programmer Response: Ensure that the DD statement is correctly specified. Rerun the job.

Problem Determination: Table I, items 4, 13, 22, 25a, 29, 31.

IEBA20I FAILURE DURING OPEN FOR DD = ddname

Explanation: The indicated ddname statement was incorrectly specified or not included in the JCL for this job step.

System Action: IEBIMAGE processing is terminated.

Programmer Response: Correct the DD statement error and rerun the job.

Problem Determination: Table I, items 1, 4, 13, 22, 29.

IEBA21I INSUFFICIENT SPACE IN DATA SET - dsname

Explanation: The indicated data set is full. A D37 ABEND which has been suppressed by the utility has occurred.

System Action: The IEBIMAGE program continues processing the next control statement, but subsequent writing to the library data set is inhibited.

Programmer Response: Using utility programs such as IEBCOPY and IEHPROGM, the data set may be recreated, allowing for more space.

Problem Determination: Table I, items 1, 3, 4, 13, 22, 25a, 29, 31.

IEBA22I INVALID CHARACTER IN CARD COLUMN number

Explanation: An unexpected character was encountered in the indicated column.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and resubmit the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA23I DUPLICATE OR MUTUALLY EXCLUSIVE KEYWORD (keyword) FOR OPERATION.

Explanation: The indicated keyword has been specified more than once on this control statement, or conflicts with other keywords or with the operation.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA24I SEGMENT NUMBER (number) NONEXISTENT.

Explanation: The indicated segment number is greater than the number of segments in the module referenced.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the segment number specification in the DELSEG or the REF keyword and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29, 31. Execute the IEBIMAGE utility to print the applicable member.

IEBA25I INSUFFICIENT KEYWORD INFORMATION TO COMPLETE OPERATION.

Explanation: Necessary keywords have not been specified, preventing the requested operation from completing successfully.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Specify the necessary keywords and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA26I INVALID USE OF DELIMITER IN KEYWORD (keyword).

Explanation: A comma or a parenthesis has been encountered on a control statement which does not have the proper relationship to other delimiters within the indicated keyword.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA27I NO OPERATION DEFINED.

Explanation: A NAME control statement has been encountered that does not immediately follow an operation control statement (that is, FCB, COPYMOD, CHARSET, TABLE, or GRAPHIC).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement sequence and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA28I INVALID DATA SEQUENCE NUMBER.

Explanation: The sequence number on a data card (column 29 and 30) for a GRAPHIC or CHARSET operation is invalid. The sequence number must be a 2-digit decimal number, between 1 and 24 (if the device being used is an IBM 3800 Model 1) or between 1 and 40 (if the device being used is an IBM 3800 Model 3).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the sequence number and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA29I MEMBER NAME OR REPLACE OPTION INVALID.

Explanation: The name specified exceeds four characters or the replace option (R) was incorrectly specified.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the error and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA30I {GRAPHIC | CHARSET} DATA EXCEEDS RANGE OF PITCH IN SEGMENT segment number

Explanation: Data specified on the GRAPHIC or CHARSET data cards requires a character be built which has bits outside the allowable limits of the pitch specified in the ASSIGN keyword. In the formatted print of that character the erroneous bit(s) will be printed as a dollar sign ($).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the error and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA31I NO VALID INPUT DATA FOR {GRAPHIC | CHARSET} ASSIGN.

Explanation: The GRAPHIC or CHARSET operation with an ASSIGN keyword is not followed by a data card which has the data 'SEQ=' in column 25 through 28.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Supply appropriate data cards and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA32I SIZE OF FORM IS nn.n INCHES (nnnn.nn MM).

Explanation: The FCB form size is printed as a number in inches and in millimeters (MM). This size was specified or defaulted with the SIZE parameter.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: None

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA33I SEGMENT segno COPY copyno LINE lineno MAY CREATE A LINE OVERRUN CONDITION IF PREVIOUS LINE IS PRINTED AT {6|8|10|12} LINES PER INCH.

Explanation: The segment with segment number segno, in combination with all the previous segments, may cause a line overrun condition to occur when this copy modification module is used. If the message specifies 12 lines per inch, the segment can be printed at 6, 8, or (for 3800-3) 10 lines per inch. If the message specifies 10 lines per inch, the segment can be printed at 6 or 8 lines per inch. If the message specifies 8 lines per inch, the segment can be printed only at 6 lines per inch. copyno is the number of the copy in which the line overrun condition may occur. lineno is the line number in that copy. The corresponding segment in the formatted listing is flagged with the designation "NOTE (n)". If "n" is 0 (for 3800-3), 2, or 3, it indicates at least one overrun condition for 12, 8, or 6 lines per inch respectively. If "n" is 1, it indicates at least one overrun condition for 12 lines per inch (for 3800-1), or 10 lines per inch (for 3800-3).

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: Respecify COPYMOD statements such that each segment in combination with preceding segments does not create a line overrun condition when the copy modification module is used. See Reference Manual for the IBM 3800 Printing Subsystem, GA26-1635, or Reference Manual for the IBM 3800 Printing Subsystem Model 3, GA32-0050, for the algorithm to determine possible overrun conditions. The OPTION statement with the OVERRUN parameter can be used to suppress this message.

Problem Determination: Table I, items 4, 13, 22, 25c, 29, 31.

IEBA34I CHARACTERS SPECIFIED IN TEXT KEYWORD RESULT IN HEXADECIMAL (FF).

Explanation: A specification in the TEXT keyword which results in a hexadecimal (FF) is invalid. 'FF' has been reserved for use within copy modification text to denote a duplication factor.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the error and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA35I UNBALANCED PARENTHESIS IN KEYWORD (keyword).

Explanation: The number of right parentheses does not equal the number of left parentheses in the indicated keyword.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA36I DUPLICATE CHANNEL SPECIFICATION FOR PRINT LINE print line number.

Explanation: More than one channel specification has been requested for the same print line (for example, CH1=10, CH2=10).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA37I REFERENCES TO NONEXISTENT CGMID WITHIN TABLE.

Explanation: One or more locations in the character arrangement table reference a CGMID that has not been defined in the trailer portion of the table.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA38I TABLE REFERENCES NO PRINTABLE CHARACTERS.

Explanation: A character arrangement table has been constructed or modified such that the resulting table has all 256 locations referencing the non-printable character (FF).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29,31.

IEBA39I INVALID PARITY IN SEGMENT segment number.

Explanation: In a graphic character modification module that was either created or modified by other than the IEBIMAGE utility, the indicated segment was found to have invalid parity.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Use AMASPZAP to correct the error, or rebuild the module using an INCLUDE control statement with the DELSEG keyword, and a GRAPHIC or CHARSET control statement with the ASSIGN keyword and appropriate data cards.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA40I INCONSISTENT PITCH WITHIN SEGMENT segment number.

Explanation: In a graphic character modification module that was either created or modified by other than the IEBIMAGE utility, the indicated segment was found to have inconsistent pitch.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Use AMASPZAP to correct the error, or rebuild the modules using an INCLUDE control statement with the DELSEG keyword, and a GRAPHIC or CHARSET control statement with the ASSIGN keyword and the appropriate data cards.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA41I PREVIOUSLY USED {EBCDIC | WCGM} ASSIGNMENT IN SEGMENT segment number.

Explanation: A segment was found to have an assignment value equal to that of one previously used in the module. This error does not prohibit completion of the operation. For GRAPHIC operations all segments are built, but only the last one will take effect should it be loaded into the printer. For CHARSET operations only the last of the duplicated assignments is built. All previous library character set segments are ignored.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: For GRAPHIC operations the unwanted duplicate segments can be deleted by using an INCLUDE control statement with the DELSEG keyword. An assignment value can be changed by using the GRAPHIC control statement with the REF keyword to change the EBCDIC assignment value. For CHARSET operations the INCLUDE control statement with the DELSEG keyword can be

used to delete any unwanted segments. An assignment value can be inserted by using the CHARSET control statement with the REF or ASSIGN keywords.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA42I MEMBER NOT ADDED TO LIBRARY, ERROR(S) LISTED.

Explanation: Errors previous to this statement have prevented the utility from updating the library with the module specified in the current operation.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the errors and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 25c, 26c, 29, 31.

IEBA43I IN SEGMENT segment number, {COPY|LINE|TEXT} SPECIFICATION BEYOND RANGE OF MAXIMUM VALUE.

Explanation: One of the following values has been exceeded:

COPY - 256
LINE - 133
TEXT - 205

The IEBIMAGE utility does not allow number of copies, number of lines, or number of text characters per line specifications to exceed certain values.

COPY—The number of the copy at which additional printing is to begin, plus the number of copies, cannot exceed 256.

LINE—The number of the line at which additional printing is to begin, plus the number of lines, cannot exceed 133. The IEBIMAGE utility allows the sum to be 133, which is valid for a 3800 using International Standards Organization (ISO) paper sizes. If this value is greater than 120 for a 3800 that uses common-use paper sizes, the entry is never used.

TEXT—The number of the character at which additional printing is to begin, plus the number of characters, cannot exceed 205.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the error and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA44I SEQUENCE NUMBER INVALID OR PREVIOUSLY USED.

Explanation: A data card sequence number of less than 1, or one that has been used previously, has been encountered.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the data card and resubmit the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA45I LIBRARY SPACE INCREASED TO nn EXTENTS.

Explanation: After updating the library specified by the SYSUT1 DD statement, it was found that the last record was written on a different extent than the previous update. The SYS1.IMAGELIB system data set can have up to 16 extents.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: Programs that have the library open while IEBIMAGE is executing may not be able to access new or updated members unless they close and reopen it.

Problem Determination: Table I, items 1, 4, 13, 25c, 26c, 29, 31.

IEBA46I REQUEST TO UPDATE LIBRARY DENIED, DSNAME = data set name.

Explanation: The OPEN macro has caused a message to be sent to the operator requesting an update to a library whose expiration has not been exceeded. The operator replied M, denying the request.

System Action: IEBIMAGE processing continues with the next control statement but updating of the library data set is inhibited.

Programmer Response: Specify a different volume and/or obtain authorization to update the subject data set.

Problem Determination: Table I, items 4, 13, 22, 25c, 29.

IEBA47I INSUFFICIENT VIRTUAL STORAGE TO PERFORM STOW FUNCTION.

Explanation: A STOW SVC was issued and its function was prohibited due to lack of virtual storage.

System Action: The IEBIMAGE program continues processing the next control statement, but subsequent writing to the library data set is inhibited.

Programmer Response: Rerun the job. The error may be a temporary one caused by fragmentation of virtual storage.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA48I DUPLICATE TABLE REFERENCE FOR LOCATION (location).

Explanation: Specification for the same location in a character arrangement table occurred more than once. Each reference must be unique.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA49I NO CHANNEL 1 CODE HAS BEEN SPECIFIED.

Explanation: The FCB does not contain a channel 1 code. Be careful when using this FCB, because a skip command will cause a unit check at the printer if the FCB does not contain the required channel code.

System Action: The IEBIMAGE program continues processing the next control statement.

Programmer Response: None.

Problem Determination: Table I, items 4, 13, 22, 29, 31.

IEBA50I CLOC PARAMETER NOT SPECIFIED FOR REFERENCED GCM SEGMENT segment number.

Explanation: When building a library character set using the REF keyword of the CHARSET operation, no character location (CLOC) assignment was specified for the graphic character module (GCM).

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Specify a WCGM location in the second parameter of the REF keyword for the CHARSET operation. All library character set segments require a WCGM location assignment between '00-3F'.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA51I LIBRARY NOT UPDATED: MODULE CONTAINS NO DATA

Explanation: The module being created contains no data. This may have been caused by a DELSEG parameter on an INCLUDE statement which deleted all the segments of the module.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Correct the control statement and rerun the job.

Operator Response: None.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBA52I VALUE OF LINES CONTRADICTS VALUE OF SIZE

Explanation: When building an FCB module for the 3800, 3262 Model 5, or 4248 printer, the specifications for the LPI, LINES, and SIZE parameters on the FCB statement were conflicting.

System Action: The IEBIMAGE program continues processing the next control statement, but writing to the library data set for the current operation is inhibited.

Programmer Response: Respecify the FCB statement with complementary values for the LINES, SIZE, and LPI parameters. See the IEBIMAGE chapter in Utilities for the default value of each parameter.

Operator Response: None.

Problem Determination: Table I, items 4, 13, 22, 29.

IEBEDIT PROGRAM MESSAGES

IEB001I {SYSUT1 | SYSUT2 | SYSIN} NOT OPENED

Explanation: The SYSUT1, SYSUT2, or SYSIN data set, as indicated in the message text, could not be opened. Either the DD statement defining the data set was not included in the input stream, or a DCB parameter for the data set was invalid.

System Action: The job step is terminated. The return code is 8.

Programmer Response: Probable user error. Ensure that a DD statement for SYSUT1, SYSUT2, and SYSIN is included in the input stream, and that the parameters on the DD statements are

correct (particularly that the block size specification is a multiple of 80). Resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 5a, 13, 29.

IEB008I INVALID NAME FIELD

Explanation: The name field is invalid in the EDIT statement preceding this message. Possibly, the name field consists of more than 8 characters or contains an invalid character.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the name field on the preceding statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB009I INVALID STATEMENT SYNTAX

Explanation: The EDIT statement preceding this message is coded incorrectly.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the preceding statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB010I INVALID OPERATION CODE

Explanation: The preceding statement is not an EDIT utility control statement. Possibly, EDIT is misspelled.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the operation on the preceding control statement to EDIT. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB011I INVALID OPERAND

Explanation: The operand is invalid in the EDIT statement preceding this message. Possibly, a parameter is misspelled or incompatible parameters are specified.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the operands on the preceding control statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB014I INVALID DELIMITER

Explanation: A delimiter is invalid in the EDIT statement preceding this message.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Correct the delimiters on the preceding control statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB020I INVALID CONTINUATION CARD

Explanation: The continuation does not begin at column 16 in the statement preceding this message.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Begin the continuation statement in column 16 or, if no continuation is desired, correct the statement that indicated a continuation. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB021I INVALID CHARACTER

Explanation: A character is invalid in the EDIT statement preceding this message.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the error in the control statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB022I JOB NAME NOT FOUND BEFORE END OF FILE

Explanation: Either no JOB statement was found in the input data set, or the specified job could not be found.

System Action: The job step is terminated. The return code is 4.

Programmer Response: Probable user error. Insert the missing JOB statement into the input stream or correct the control information on the associated EDIT statement. Resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB023I sss STEP COULD NOT BE FOUND

Explanation: Step sss could not be found in the input data set. Possibly, the step name was misspelled.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Insert the missing step into the input stream or correct the control information on the associated EDIT statement. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB024I d WAS HIGHEST SEVERITY CODE

Explanation: Return code d was the highest return code generated during execution of the IEBEDIT program.

System Action: None.

Programmer Response: For other than successful job completion (severity code= 0), resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB027I I/O ERROR dsn, jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd.

In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

dsn
: Data set name

jjj
: Job name

sss
: Step name

ddd
: Unit address of the device

devtyp
: Device type

ddn
: Data definition name

op
: Operation attempted

err
: Error description

xxxx
: Last seek address or block count

acc
: Access method

System Action: The program is terminated. The return code is 8.

Programmer Response: Correct the error condition indicated in the message text according to the error analysis information provided by the SYNADAF data management macro instruction. Resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29. Table II, Format 1: trace option-TRACE=SYS.

IEB030I {SYSUT1 | SYSIN} BLKSIZE INVALID

Explanation: The block size of the SYSUT1 or SYSIN data set, as indicated in the message text, is not a multiple of 80 bytes.

System Action: The program is terminated. The return code is 8.

Programmer Response: Probable user error. Correct the block size of the indicated data set and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB032I SYSUT2 BLKSIZE INVALID - SYSUT1 ASSUMED

Explanation: The block size of the SYSUT2 data set is not a multiple of 80 bytes.

System Action: The SYSUT1 block size attributes are assumed for the SYSUT2 data set. Processing continues. The return code is 4.

Programmer Response: Probable user error. If the block size for SYSUT1 is undesirable for SYSUT2, correct the block size for SYSUT2 and resubmit the job; otherwise, disregard this message.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB033I STATEMENT NOT PROCESSED EOF ON SYSUT1

Explanation: An end-of-file condition was encountered on the SYSUT1 data set. The preceding EDIT statement was not processed.

System Action: The job step is terminated. The return code is 4.

Programmer Response: Probable user error. Restructure the EDIT statements if the edited output is not as desired and resubmit the job; otherwise, disregard the unprocessed EDIT statements.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

IEB034I STEPNAME REQUIRED WITH TYPE= {INCLUDE | EXCLUDE}

Explanation: No step name was specified with a TYPE=INCLUDE or TYPE=EXCLUDE operation, as indicated in the message text.

System Action: Processing continues with the next EDIT statement. The return code is 4.

Programmer Response: Probable user error. Correct the condition indicated in the message text. Resubmit the job to process either the entire input stream or the unedited portion of the input stream.

Problem Determination: Table I, items 1, 2, 3, 5a, 7c, 13, 29.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB113I OUTDD OR INDD NOT SPECIFIED

Explanation: The commands are incomplete. An INDD= keyword must be associated with a COPY statement that has defined the output data set (OUTDD=). A SELECT or EXCLUDE statement may have been read without an INDD= preceding it.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB114I OUTDD/LIST NOT ON COPY CARD

Explanation: The OUTDD= or LIST= keywords were scanned, but they were not physically or logically associated with the COPY statement.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB115I END OF FILE ON SYSIN

Explanation: On the first read or during a "flush," end-of-file was given by the SYSIN device as the result of a previous error.

System Action: Control is returned to the caller; this is the end of the last COPY operation.

Programmer Response: Correct the preceding error or insert control statements.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB116I MIXING CONTROL STATEMENTS FROM OLD AND NEW VERSION OF IEBCOPY

Explanation: Both types of statements were contained within the same copy step, or multiple COPY operations were attempted using IEBCOPY control statements from a release prior to Release 20.

System Action: If a complete set of valid statements occurred together COPY operation was done. If the statements were intermixed, no COPY done. The job is terminated. The return code is 8.

Programmer Response: Probable user error. Correct the error and resu the job.

Problem Determination: Table I, it 3, 13, 29.

IEB117I TABLES EXCEED ALLOCATED

Explanation: The amount of main st available for creation of the INDD and SELECT/EXCLUDE table has been exceeded.

System Action: The COPY operation terminated. The next COPY control statement is sought. The return c 8.

Programmer Response: Probable user error. Multiple COPY, OUTDD=, and statements can be used to decrease size of the INDD table that is bui each copy step. The number of mem names in SELECT/EXCLUDE statements copy step can also be decreased, a number of copy steps increased. R the storage estimate consideration IEBCOPY.

Problem Determination: Table I, it 3, 15, 29. Have storage estimate calculations available.

IEB118I CONTROL STATEMENT ERROR

Explanation: The statement just li has an invalid command, keyword, o parameter. There may be multiple keywords on the same statement, or and new versions of IEBCOPY keywor mixed.

System Action: The job step is terminated if IEBCOPY statements f release prior to OS Release 20 wer used. Otherwise, the COPY operati terminated, and the next COPY cont statement is sought. The return c 8.

Programmer Response: Probable user error. Correct the error and resu the job.

Problem Determination: Table I, it 3, 15, 29.

IEB119I STATEMENT SEQUENCE ERROR

Explanation: The error is one of t following:

- IEBCOPY control statements from a release prior to OS Release 20 are not in the correct sequence.
- The first COPY statement, in a contiguous series of COPY statements, is either incomplete or out of sequence.

System Action: The job step is terminated if IEBCOPY statements from a release prior to OS Release 20 were used. Otherwise, the COPY operation is terminated, and the next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB120I ddname **VALIDATION ERROR**

Explanation: The name of the DD statement on which the error occurred is identified by ddname. This message is always given by the validation routine when there is an error during the validation or the opening of any data set. The message immediately following this message will explain the nature of the error.

System Action: The return code is 8.

Programmer Response: See the next message issued.

Problem Determination: Table I, items 1, 25b, 29.

IEB121I OPEN ERROR

Explanation: The data set defined in the preceding message could not be opened.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Check for invalid DD statement parameters.

Problem Determination: Table I, items 1, 25b, 29.

IEB122I DSCB COULD NOT BE OBTAINED

Explanation: There was an error code returned from the OBTAIN macro that was used to read the DSCB for the data set defined in the preceding message.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Check to see that a DSCB for the data set in question is available. Make sure that the volume has been mounted.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB123I INVALID DSORG

Explanation: The data set on a direct access device identified in the preceding message does not have partitioned or physical sequential organization. If the data set is an input or an output data set, it cannot be processed by IEBCOPY.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Check the DSORG field of the associated format 1 DSCB to determine the data set's organization. Resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB124I INVALID LRECL

Explanation: The logical record length of the data set defined is not valid. It may be zero, or input data set LRECL may not be equal to output data set LRECL.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Correct the error and resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB125I INVALID BLOCKSIZE

Explanation: The block size of the data set defined is not valid. The block size may be zero or larger than track size when going to a non-track overflow data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Correct the error and resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB126I ddname **REFERENCES AN UNMOVABLE DATA SET**

Explanation: The input data set, ddname, is flagged as unmovable. It is not compressed in place because it may contain location dependent data.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Verify that the data set in question is flagged as unmovable (format 1 DSCB).

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB127I RECFM INCOMPATIBLE

Explanation: The record format of the input data set defined is incompatible with that of the output data set (that is, it cannot copy from fixed-length record format to variable-length record format or vice versa).

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Respecify the record format of either the input or output data set and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB128I CANNOT REBLOCK TRACK OVERFLOW DATA SETS

Explanation: The input and/or output data sets have track overflow records. Reblock/deblock is not done.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Respecify the output data set so that it is equal to the input data set. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB129I CANNOT REBLOCK KEYED DATA SETS

Explanation: The input and/or the output data sets have keyed records. Reblock/deblock is not done.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Respecify the output data set so that it is equal to the input data set. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB130I KEY LENGTHS UNEQUAL

Explanation: The key lengths of the input and output data sets are not equal.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Respecify the key length of the output data set so that it is equal to the key length of the input data set. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB131I CANNOT COMPRESS KEYED DATA SET

Explanation: A compress-in-place COPY operation was requested, but the data set contains keyed records. IEBCOPY does not compress keyed data sets.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Verify that the data set in question is keyed (format 1 DSCB).

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB132I INVALID RE/DE-BLOCKING

Explanation: The data set previously defined is incompatible with the output data set. For example, a variable format record may contain an LRECL that is greater than the output block size.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Respecify the output block size to allow this member to be properly copied. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB133I MINIMUM REQUESTED CORE NOT AVAILABLE

Explanation: A variable conditional GETMAIN was issued, and the return code indicates that the minimum amount of permanent storage requested was not obtainable. This error may also occur if blocked SYSIN/SYSPRINT is specified.

System Action: The job step is terminated. The return code is 8.

Programmer Response: Probable user error. Allocate a larger region to the IEBCOPY program. If the error was caused by the second explanation, deblock the blocked SYSIN/SYSPRINT data set(s). Review the virtual storage estimate considerations for IEBCOPY.

Problem Determination: Table I, items 1, 3, 15, 29. Have virtual storage estimate calculations available.

IEB134I CANNOT COMPRESS WITH SELECT OR EXCLUDE

Explanation: An input data set's DDNAME was specified which was identical to the current output data set's DDNAME, but a SELECT or EXCLUDE control statement was also specified. This is an implied COMPRESS, and a mixed-mode copy step is not allowed.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If the COMPRESS is desired, do not follow the INDD statement or the group which contains the duplicate DDNAME with a SELECT or EXCLUDE control statement. If the COMPRESS is not desired, remove the duplicate DDNAME from the appropriate INDD statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB135I MINIMUM I/O BUFFER NOT ALLOCATABLE

Explanation: There is not enough unallocated virtual storage available to contain two minimum size I/O buffers without overlaying required tables.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Make more storage available to IEBCOPY. If a relatively large number of member names are specified on the current SELECT or EXCLUDE control statement(s), it may be necessary to divide them into smaller groups of member names and more copy steps. Review the virtual storage estimate considerations for IEBCOPY.

Problem Determination: Table I, items 1, 3, 15, 29. Have virtual storage estimate calculations available.

IEB136I CANNOT ALLOCATE TWO TRACKS OF I/O BUFFERS FOR COMPRESS

Explanation: There is not enough unallocated virtual storage available to contain twice the device-dependent block size as specified by the results of a DEVTYPE macro. COMPRESS operations must have this much I/O buffer space for full track I/O and synchronization.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Make more virtual storage available to IEBCOPY. If several input data set DDNAMEs are specified on the current INDD control statement or group, remove the DDNAME causing the COMPRESS and put it into a separate copy operation. It may be necessary to take actions similar to those described in message IEB133I. Review the storage estimate considerations for IEBCOPY.

Problem Determination: Table I, items 1, 3, 15, 29. Have virtual storage estimate calculations available.

IEB137I CANNOT SPECIFY DUPLICATE MEMBERNAMES FOR SELECT/EXCLUDE/RENAME - NAME= membername

Explanation: The user has specified duplicate member names in either his EXCLUDE statement(s) or his SELECT statement(s). If in the SELECT statement, the user may have specified duplicate renamed old names, duplicate old names that were not renamed, duplicate new names, or a combination of these. The member name specified is the one which was duplicated.

System Action: The COPY operation is not performed for either of the duplicate members. Copy processing continues for the uniquely-named members. The return code is 4.

Programmer Response: Probable user error. If duplicate names must be specified, put each duplicate in a separate copy step. It is advisable not to specify duplicate member names at all.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB138I CANNOT PROCESS ALL OLD/NEW-NAMES SPECIFIED

Explanation: The virtual storage required for processing the number of "oldname/newname" pairs specified is not available.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Decrease the number of renamed members specified within any one SELECT control statement and spread the SELECT control statements over more copy steps. Review the virtual storage estimate considerations for IEBCOPY.

Problem Determination: Table I, items 1, 3, 15, 29. Have permanent storage estimate calculations available.

IEB139I SYNADAF message text {DURING READ | DURING WRITE | DURING READBACK CHECK | DURING ERASE | DURING LOAD | DURING UNLOAD}

Explanation: An I/O error has occurred, the SYNADAF macro was issued, and this message text was generated by the SYNADAF macro. For a description of SYNADAF macro message text, see Data Management Macro Instructions.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Depending on the type of error, resubmit the COPY operation with the data set in error allocated: (1) at a different physical location on the volume; (2) on a different device; or (3) on a different channel. If the error is on an input data set, it may be necessary to re-create the data set. If the operation is COMPRESS and the error condition is NO RECORD FOUND, restore the backup and copy the data set to a different physical location.

Problem Determination: Table I, items 1, 3, 13, 25b, 26c, 29. Table II, Format 1: trace option-TRACE=SIO, IO, PCI.

IEB140I ddname REFERENCES A NULL INPUT DATA SET

Explanation: The data set specified by ddname is an "empty" input data set; there are no member names contained in the directory of this data set.

System Action: The next input data set or control statement is sought.

Programmer Response: Check the input data set.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB141I CANNOT RE/DE-BLOCK WITH NOTE-LIST/USER TTRN IN MEMBER membername

Explanation: The directory entry for the named member, membername, indicates the presence of a Note List and/or User TTRNs. However, the user's data set specifications indicate the requirement to re/deblock members as they are copied. These two facts are incompatible in IEBCOPY.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If this member is to be copied, it cannot be re/deblocked. Either respecify those factors which cause re/deblocking (that is, BLKSIZE, RECFM, LRECL of the appropriate DCBs referenced in JCL), or rebuild the directory entry and alter the member data as needed to eliminate the Note-List/User TTRN indicators.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB142I CANNOT CONTINUE TO BUILD CTLTAB

Explanation: IEBCOPY requires more storage to build the required control table to process the current input data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. More storage is required to contain the control table. Allocate a larger region to IEBCOPY. If a larger region is not available, use SELECT control statements for the members to be copied. Assure that there are at least two of these control statements. Each of the control statements must have specified approximately the same number of member names. Each control statement must be in a separate copy step. Review the virtual storage estimate considerations for IEBCOPY.

Problem Determination: Table I, items 1, 3, 15, 29. Have storage estimate calculations available.

IEB143I ALL SELECTED MEMBERS COPIED - DID NOT USE ALL SPECIFIED INDDs

Explanation: All specified (selected) members have been successfully copied, and the directory entries referencing these members are properly set up. It was not necessary to use all specified input data sets in order to "find" and process all selected members.

System Action: The next control statement is sought.

Programmer Response: Check if all INDDs should be used.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB144I THERE ARE xxx UNUSED TRACKS IN OUTPUT DATA SET REFERENCED BY ddname

Explanation: This message is printed after all required members have been copied to the output data set specified by ddname. If an error has occurred, the number of tracks given in this message may be incorrect.

System Action: The next control statement is sought.

Programmer Response: None.

Problem Determination: None.

IEB145I CANNOT COMPRESS TRACK OVERFLOW DATA SET

Explanation: IEBCOPY does not allow a compress-in-place operation to be done if the track overflow bit has been set in the DCB that references the "output" data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Verify that the data set in question is not flagged (format 1 DSCB) as a track overflow data set.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB146I CANNOT COMPRESS WITH RE/DE-BLOCKING

Explanation: IEBCOPY does not allow a compress-in-place operation to be done if the user has not specified the same data set characteristics in both the input and output DD statements that reference the data set to be compressed.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Specify the same data set characteristics (that is, BLKSIZE, RECFM, LRECL) for both the input and output DD statements to be used while compressing. This should be done by referencing the same ddname in the relevant INDD and OUTDD control statements.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB147I END OF JOB- {0 | 4 | 8} WAS HIGHEST SEVERITY CODE

Explanation: This message, which is issued at the completion of the IEBCOPY job step, indicates the highest return code generated during the execution of the program.

System Action: None.

Programmer Response: If the severity code was other than 0, check for previous error messages.

Problem Determination: None.

IEB148I NO SPACE IN OUTPUT DIRECTORY FOR DIRECTORY ENTRIES FROM INPUT DATA SET ddname

Explanation: While building an updated output directory (to reflect members copied from the input data set referenced by ddname), IEBCOPY has determined that the amount of directory space allocated to the output data set is insufficient.

System Action: If message IEB168I does **not** immediately follow this message, the output data set directory either reflects those members copied as of the immediately preceding input data set, if any, or is left as it originally was, if this input data set is the first one from which members were to have been copied. If the message IEB168I does follow, the output directory is truncated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Execute IEHLIST to determine just which members are usable and referenced by the truncated output directory.

Problem Determination: Table I, items 1, 3, 13, 25b, 29. Execute IEHLIST to list the directories (LISTPDS) of all input data sets in the associated COPY operation. Have the directory listings available. Execute Data Facility Data Set Services to dump the directory of the associated output data set and save the output.

IEB149I THERE ARE xxx UNUSED DIRECTORY BLOCKS IN OUTPUT DIRECTORY

Explanation: This message is issued at the end of the current COPY operation after copying all required members to the output data set. If an error has occurred, the number of blocks given in this message may be incorrect.

System Action: The next control statement is sought.

Programmer Response: None.

Problem Determination: None.

IEB151I JOB HAS TERMINATED WITH ERRORS

Explanation: This message is issued as the result of a previous error (as indicated by one or more preceding error messages). Further processing may be terminated.

System Action: Depending on the error(s), either the next COPY operation is processed, or the job step is terminated.

Programmer Response: Correct the errors indicated by preceding error messages, and resubmit the portion of the job that was not successfully completed.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB152I membername **COMPRESSED-WAS ALREADY IN PLACE AND NOT MOVED**

Explanation: The member named in this message did not need to be physically moved during the compress-in-place operation.

System Action: None.

Programmer Response: None.

Problem Determination: None.

IEB153I ALL MEMBERS COMPRESSED-ALL WERE ORIGINALLY COMPRESSED

Explanation: The data set which should have been compressed in place was not in need of being compressed since there were no embedded "gaps" between any of the members of the data set. No members from this data set were physically moved.

System Action: None.

Programmer Response: None.

Problem Determination: None.

IEB154I membername **HAS BEEN SUCCESSFULLY {COPIED|UNLOADED}**

Explanation: The member, membername, has been successfully copied or unloaded from the input data set to the output data set. In a compress-in-place operation, this message may be issued for a specific member even though the member was not actually moved, and message IEB152I was issued. If the job step completes successfully, this copied member can be accessed and used.

System Action: None.

Programmer Response: None.

Problem Determination: None.

IEB155I membername **HAS BEEN SUCCESSFULLY COPIED AND IS A NEW NAME**

Explanation: The member, membername, is a renamed member which has been successfully copied from the input data set to the output data set. The old name of this member can be determined by checking the IEBCOPY control statement(s) printed at the beginning of the copy step in which this message occurred. If the job step completes successfully, this copied member can be accessed and used by using the new member name specified.

System Action: None.

Programmer Response: None.

Problem Determination: None.

IEB156I NOT A DIRECT ACCESS DATA SET

Explanation: The data set defined in the previous message is not on a direct access device. IEBCOPY does not copy non-direct access data sets.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB157I DD STATEMENT NOT FOUND

Explanation: The DD statement for the data set defined in the previous message could not be found.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Insert a DD statement for the data set and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB158I PARM EQUAL COMPRESS NOT VALID.

Explanation: PARM=COMPRESS was specified on the EXEC statement, but the user has specified new version IEBCOPY statements, which do not use PARM=COMPRESS to designate compress mode.

System Action: Processing continues. Compress-in-place is done only if ddnames referenced in subsequent COPY operations cause it. The return code is 4.

Programmer Response: This message is informational only. It indicates that the PARM=COMPRESS parameter on the EXEC statement is ignored. Remove this parameter from the JCL to avoid further occurrences of this message.

Problem Determination: None.

IEB159I NO MEMBERS {COPIED|LOADED|UNLOADED} FROM INPUT DATA SET REFERENCED BY ddname

Explanation: The input data set whose ddname appears in this message was not used for one of the following reasons:

- A selective copy was specified, but none of the members to be copied were on this data set.
- All of the members which should have been copied from this input data set had names which were duplicates of member names on the output data set.
- An I/O error (indicated by a previous message) has precluded use of members from this input data set.
- Either the input or the output data set contains duplicate or out-of-sequence members (indicated by a previous message).

System Action: Normally, the next input data set will be processed. If an I/O error has occurred, or if there are duplicate or out-of-sequence members, the action indicated by the previous error message(s) is taken.

Programmer Response: None, if this condition was desired. Otherwise, take appropriate action, depending upon the condition indicated in the above explanation.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB160I CONCATENATED DATA SETS

Explanation: The ddname given in the previous message is the first in a group of concatenated data sets. IEBCOPY does not process concatenated data sets.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If more than one input data set is to be used in the copy step, a separate DD card is required for each. The ddnames must also be specified within the INDD= keyword on a COPY or INDD utility control card.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB161I COMPRESS TO BE DONE USING INDD NAMED ddname

Explanation: A request for a compress-in-place operation has been detected. The input and output data sets are the same data set.

System Action: A compress-in-place operation is attempted.

Programmer Response: None.

Problem Determination: None.

IEB162I PARM EQUAL COMPRESS INVALID

Explanation: PARM=COMPRESS is specified, but the input and output data sets are not the same data set, or an unload or load operation has been requested.

System Action: PARM=COMPRESS is ignored. The return code is 4.

Programmer Response: This message is informational only. The PARM=COMPRESS parameter can be removed from the EXEC statement in the JCL in order to avoid further occurrences of this message. If a COMPRESS is desired, correct DD cards or IEBCOPY control cards, and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB163I NO MEMBER NAMES FOR PARTIAL COPY, WILL NOT COPY

Explanation: The version of IEBCOPY statement from a release prior to OS Release 20 specified TYPCOPY=I, but it was not followed by any MEMBER= statements.

System Action: The job step is terminated. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB164I TOTAL COPY ASSUMED

Explanation: The version of IEBCOPY statement from a release prior to OS Release 20 specified TYPCOPY=E, but it was not followed by any MEMBER= statements.

System Action: A full copy is done. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB165I membername **'FOUND' BUT NOT COPIED, DUE TO I/O ERROR READING INPUT DIRECTORY**

Explanation: A selective copy operation was being attempted, and the member, membername, had been encountered on the current input data set prior to the occurrence of the described I/O error.

System Action: None.

Programmer Response: Retry the operation. If the operation fails with this message a second time, then in all probability a hardware error has occurred. The dataset may have to be restored. Contact your systems programmer or an IBM representative for assistance.

Problem Determination: Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB166I NO MEMBERS COPIED TO DATA SET REFERENCED BY ddname

Explanation: Due to a validation error described in a previous message, no copying was done to the output data set referenced by ddname.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: None.

Problem Determination: Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB167I FOLLOWING MEMBER(S) COPIED FROM INPUT DATA SET REFERENCED BY ddname

Explanation: The ddname given in this message references the input data set from which member(s) whose names will be listed were copied. This message assists the user in tracing the data sets which were used, and how they were used.

System Action: None.

Programmer Response: None.

Problem Determination: None.

IEB168I **WARNING DUE TO ERROR, POSSIBLE LOSS OF ACCESS TO MEMBER DATA AND/OR INCOMPLETE DIRECTORY**

Explanation: If preceded by message IEB148I, the output directory has been truncated. Otherwise, the output directory may be incomplete.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 12.

Programmer Response: Depending on the type of error, rerun the COPY operation with the data set in error allocated: (1) at a different physical location on the volume, (2) on a different device, or (3) on a different channel. If the error is on an input data set, it may be necessary to re-create the data set. Another utility program (such as IEHLIST) should be used to determine the final status of the output directory.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB169I **WARNING DUE TO I/O ERROR ON SYSUT4, OUTPUT DIRECTORY MAY BE INCOMPLETE**

Explanation: Due to an I/O error on SYSUT4, the output directory may not be complete.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 12.

Programmer Response: Depending on the type of error, rerun the COPY operation with the data set in error allocated: (1) at a different physical location on the volume, (2) on a different device, or (3) on a different channel. The output data set directory should be investigated to see if all information is valid (possibly by use of IEHLIST).

Problem Determination: Table I, items 1, 3, 13, 25c, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB170I **WARNING DUE TO SYSUT3 I/O ERROR, COMPRESS-IN-PLACE NOT DONE AND COPY OPERATION TERMINATED**

Explanation: An I/O error has occurred while using the "spill" data set. None of the members were physically moved, so the data set remains as it was prior to processing.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Depending on the type of error, rerun the COPY operation with the data set in error allocated: (1) at a different physical location on the volume, (2) on a different device, or (3) on a different channel.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB171I ****WARNING** DIRECTORY MAY NOT REFLECT VALID LOCATION OF MEMBER DATA**

Explanation: An I/O error during a compress-in-place operation may have affected the validity of the data set directory.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: The data set in question should be re-created or dumped, and checked for valid

Problem Determination: Table I, items 1, 3, 13, 25c, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB172I ddname **COULD NOT BE OPENED**

Explanation: The data set specified by ddname could not be opened. This is normally the SYSPRINT data set. The SYSPRINT DD statement may not have been included in the JOB stream.

System Action: This data set cannot be used. I/O error messages and an end-of-job message are issued to the console typewriter by alternate methods. The error is ignored. The return code is 4.

Programmer Response: Probable user error. It is necessary to use another utility program (such as IEHLIST) to verify the ending status of all COPY operations performed.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB173I ddname **- INVALID BLOCKSIZE**

Explanation: An invalid block size associated with the data set specified by ddname was detected. This is probably the SYSPRINT data set. Invalid DCB information, such as block size, may have been specified in the SYSPRINT DD statement.

System Action: This data set is not used. I/O error messages and an end-of-job message are issued to the console typewriter by alternate methods. The error is ignored. The return code is 4.

Programmer Response: Probable user error. It is necessary to use another utility (such as IEHLIST) to verify the ending status of all COPY operations performed.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB174I ****WARNING** INPUT RECORD IS A SHORT LENGTH RECORD - DDNAME=** inddname **- OUTPUT TTRN=** tt tt rr nn

Explanation: An unexpected short length record (shorter than BLKSIZE) has been found on the input data set described by inddname. It was copied to the output data set at tt tt rr nn exactly as it was read from the input data set.

System Action: The error is ignored. The return code is 4.

Programmer Response: Probable user error. If the error cannot be ignored by the user, the input data set must be re-created.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB175I ****WARNING** INPUT RECORD IS GREATER THAN OUTPUT BLKSIZE-DDNAME=** inddname **- OUTPUT TTRN=** tt tt rr nn

Explanation: An input record on the input data set inddname whose length is greater than the output block size has been processed. The record was copied to the output data set at tt tt rr nn exactly as it was on input (no truncation). But, if the input record is greater than the output device track capacity, the record cannot be processed.

System Action: In the case of records greater than the output track capacity, the copy operation is terminated and the next copy control statement is sought; the return code is 8. Otherwise, the error is ignored, and the return code is 4.

Programmer Response: Probable user error. If the output data set is to be updated and/or compressed, rerun the COPY operation specifying a larger block size, by JCL, on the output data set. If using full track blocking on input, be sure not to use an output device with less track capacity.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB176I **MEMBER** membername **IN DATASET REFERENCED BY** ddname **HAS MORE THAN ONE NOTELIST POINTER**

Explanation: The directory entry for the member, membername, in the data set referenced by ddname has more than one notelist (user TTRN with N having a value greater than zero). This is an invalid directory entry, and the member cannot be correctly processed.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Re-create the member in error.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB177I membername **WAS SELECTED BUT NOT FOUND IN ANY INPUT DATA SET**

Explanation: The member, membername, in this message was specified on a SELECT statement for the previous copy operation, but it does not exist on any of the specified input data sets.

System Action: The error is ignored. The return code is 4.

Programmer Response: Check to see if the member should have been found.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB178I NOT AN IEBCOPY UNLOADED DATA SET

Explanation: The input data set, though sequentially organized, does not have the format of an IEBCOPY unloaded data set. The data set cannot be loaded by IEBCOPY.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Verify that the data set in question was created by IEBCOPY.

Problem Determination: Table I, items 1, 3, 13, 29. Have the associated input data set available.

IEB179I COMPRESS IN PLACE NOT VALID FOR LOAD/UNLOAD

Explanation: A compress-in-place has been specified, but the input and the output data sets do not have partitioned organizations.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Verify whether the data sets in question have been specified correctly.

Problem Determination: Table I, items 1, 3, 13, 25b, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB180I MORE THAN ONE INPUT DATA SET SPECIFIED FOR UNLOAD OPERATION

Explanation: More than one input data set was specified for an unload operation either in the same INDD group or in an additional INDD group.

System Action: The additional input data sets are not processed. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If more than one data set is to be unloaded per invocation of IEBCOPY, multiple COPY operations (one for each data set to be unloaded) with different output data sets should be specified.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB181I STORAGE CAN NOT BE ALLOCATED FOR LOAD/UNLOAD PROCESSING

Explanation: There is not enough region space available to continue the unload or load operation.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Submit IEBCOPY, specifying a larger region size.

Problem Determination: Table I, items 1, 3, 13, 29. Have storage estimate available.

IEB182I UNLOAD DATA SET REFERENCED BY ddname **HAS BEEN FLAGGED AS NOT LOADABLE**

Explanation: An I/O error occurred while unloading. As a result, this data set, ddname, cannot be loaded. This message was preceded by message IEB139I, or another error, or warning message.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: If the I/O error occurred on one of the output data sets or work files, resubmit the job. If the error occurred on the input data set, re-create this data set.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB183I END OF FILE READ ON LOAD DATA SET REFERENCED BY ddname

Explanation: The data set referenced by ddname:

- Contains directory entries without the corresponding members or with invalid member TTRs.
- Is a null data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If the unloaded data set is not a null data set, follow the steps below for problem determination.

Problem Determination: Table I, items 1, 29. Have the unloaded data set and the original partitioned data set available.

IEB184I MEMBER DATA RECORD READ FOR MEMBER member IS LONGER THAN DATA SET BLOCKSIZE PLUS KEY LENGTH

Explanation: The DCB information given for the input data does not reflect the status of this data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. If the DCB parameters have been overridden, respecify the correct block size and key length.

Problem Determination: Table I, items 1, 3, 13, 25b, 29. Table II, Format 1: trace option-TRACE=SIO, IO, PCI.

IEB185I ddname IS NOT A LOADABLE DATA SET

Explanation: The data set to be loaded, ddname, was flagged as not loadable during a previous unload operation for which message IEB182I was issued.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Re-create the input data set and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Have the unloaded data set available.

IEB186I INPUT AND OUTPUT DATA SET ON SAME TAPE VOLUME

Explanation: Two data sets cannot be opened concurrently on the same tape volume.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Make sure different tape volumes were allocated for the input and output data sets.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB187I NOT A DIRECT ACCESS OR TAPE DATA SET

Explanation: An unload or load operation has been requested, but the input or output data set is allocated to other than a direct-access or tape device. This error condition is also detected if the input or output data set is a SYSIN or SYSOUT data set.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Correct the DD statements in error.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB188I MEMBER membername IN DATA SET 'REFERENCED' BY ddname HAS RECORDS GREATER THAN BLKSIZE

Explanation: The input data set's records were found to be greater than the block size.

System Action: The COPY operation is terminated. The next COPY control statement is sought. The return code is 8.

Programmer Response: Probable user error. Re-create the member in error.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB189I MEMBER=membername IN DIRECTORY BLOCK WITH CCHHR=cchhr REFERENCED BY DDNAME=ddname IS OUT OF SEQ. OR DUPL.

Explanation: The data set referenced by ddname contains a duplicate or out-of-sequence member, membername, in directory block located at cchhr. This is a warning message.

System Action: The COPY operation is continued. The return code is 4.

Programmer Response: Verify your data set and delete the member in error.

Problem Determination: Table I, items 1, 3, 4, 13, 20, 25c, 28, 29.

IEB19AI MEMBER membername COPIED AND REBLOCKED

Explanation: The named member has been reblocked and copied to the output data set. The RLD counts have been updated or were already correct.

System Action: None. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB19BI MEMBER membername COPIED, REBLOCKED, AND IS A NEW NAME

Explanation: The member, membername, is a renamed member which has been successfully copied and reblocked to the output data set. The member's RLD counts have been updated or were already correct. The old name of this member can be determined by checking the IEBCOPY control statements printed at the beginning of the copy step in which this message occurred.

System Action: None. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB19CI MEMBER membername COPIED, {FORMAT IS OVERLAY | FORMAT IS SCATTER-LOAD | MODULE IS NON-EDITABLE}

Explanation: COPYMOD has been specified, but the named load module either is in overlay format or scatter-load format or was link-edited with the noneditable attribute. The module has been copied to the output data set with no change in block size or content.

System Action: None. The return code is 4.

Programmer Response: None.

Problem Determination: None.

IEB19DI MEMBER membername COPIED, {FORMAT IS OVERLAY | FORMAT IS SCATTER-LOAD | MODULE IS NON-EDITABLE}, AND IS A NEW NAME.

Explanation: COPYMOD has been specified, but the named load module either is in overlay format, scatter-load format, or was link-edited with the noneditable attribute. The member, membername, is a renamed member which has been copied to the output data set with no change in block size or content. The old name of this member can be determined by checking the IEBCOPY control statements printed at the beginning of the copy step in which this message occurred.

System Action: None. The return code is 4.

Programmer Response: None.

Problem Determination: None.

IEB19EI MEMBER membername COPIED, NOT A LOAD MODULE

Explanation: COPYMOD has been specified, but the named member does not contain records in the format or with the content required of load modules. The member has been copied to the output data set with no change in block size or content.

System Action: If the member was partially copied before it was recognized that it was not a load module, the copy was started again from the beginning of the member. The return code is 4.

Programmer Response: It is valid to mix load modules and members that are not load modules in a PDS. Therefore, the user must determine whether or not this is an error. The probable cause of this situation is that some previous job or step wrote nonload module members into a load library.

Problem Determination: None.

IEB19FI MEMBER membername COPIED, NOT A LOAD MODULE, AND IS A NEW NAME

Explanation: COPYMOD has been specified, but the named member does not contain records in the format or with the content required of load modules. The member, membername, is a renamed member which has been copied to the output data set with no change in block size or content. The old name of this member can be determined by checking the IEBCOPY control statements printed at the beginning of the copy step in which this member occurred.

System Action: None. The return code is 4.

Programmer Response: None.

Problem Determination: None.

IEB19GI MEMBER membername ALTERED IN PLACE

Explanation: The RLD counts for the named member have been inserted or updated.

System Action: None. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB19HI MEMBER membername NOT ALTERED, RLD COUNT WAS CORRECT

Explanation: No change has been made to the named member because the RLD counts were already correct.

System Action: None. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB19JI MEMBER membername NOT ALTERED, {FORMAT IS OVERLAY | FORMAT IS SCATTER-LOAD | MODULE IS NON-EDITABLE}

Explanation: ALTERMOD has been specified and the named member either is in overlay format or scatter-load format or was link-edited with the noneditable attribute. No updating has occurred.

System Action: None. The return code is 4.

Programmer Response: None.

Problem Determination: None.

IEB19KI MEMBER membername NOT ALTERED, NOT A LOAD MODULE

Explanation: ALTERMOD has been specified, but the named member does not contain records in the format or with the content required of load modules. No updating of the member has taken place.

System Action: None. The return code is 4.

Programmer Response: It is valid to mix load modules and members that are not load modules in a PDS. Therefore, the user must determine whether or not this is an error. The probable cause of this situation is that some previous job or step wrote nonload module members into a load library.

Problem Determination: None.

IEB190I MAXIMUM BLOCK SIZE IS nnnnn, MINIMUM BLOCK SIZE IS mmmmm

Explanation: The maximum block size that will be written is nnnnn. The minimum block size that will be written specifically to optimize track space will be mmmmm.

System Action: None. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB191I MAXBLK DEFAULTS TO nnnnn

Explanation: The MAXBLK parameter specifies a value that is greater than the track size, greater than 18K (18432), less than 4K (4096), or nonnumeric (and not nnK).

System Action: Processing proceeds, using the block size shown. The return code is 4.

Programmer Response: The output is valid, assuming no errors follow. However, if a smaller block size is required, correct the MAXBLK operand and resubmit.

Problem Determination: None.

IEB192I MINBLK DEFAULTS TO nnnnn

Explanation: The MINBLK parameter specifies a value that is greater than maximum block size, less than 1K (or less than the customer's modified minimum value), or nonnumeric (and not nnK).

System Action: Processing proceeds, using the minimum block size shown. The return code is 4.

Programmer Response: The output is valid, assuming no errors follow. However, if a different minimum size is required, correct the MINBLK operand and resubmit.

Problem Determination: None.

IEB193I {MAXBLK | MINBLK} IS SPECIFIED ON OTHER THAN A COPYMOD STATEMENT

Explanation: A MAXBLK or MINBLK parameter is found with a statement other than COPYMOD; for example, on a COPY or ALTERMOD statement.

System Action: No processing is done for this statement. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Correct the statements as required and resubmit.

Problem Determination: None.

IEB194I CANNOT ALLOCATE ENOUGH STORAGE FOR ALTERMOD/COPYMOD

Explanation: There is not enough unallocated storage available to reblock the records. Storage requirements vary with the input block size, the output block size, and the maximum number of RLD records that follow a block of text.

System Action: The COPYMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD control statement is sought. The return code is 8.

Programmer Response: Probable user error. Make more storage available to IEBCOPY.

Problem Determination: None.

IEB195I RENAME/REPLACE NOT VALID WITH ALTERMOD

Explanation: A RENAME or REPLACE function was specified with the ALTERMOD operation.

System Action: The current ALTERMOD/COPYMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Delete the RENAME or REPLACE specification.

Problem Determination: None.

IEB196I INDD CANNOT EQUAL OUTDD WITH COPYMOD

Explanation: The COPYMOD operation cannot be performed "in place." INDD and OUTDD must specify different data sets.

System Action: The current COPYMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Correct the IEBCOPY operation specification or the ddnames.

Problem Determination: None.

IEB197I INDD SPECIFIED WITH ALTERMOD

Explanation: The ALTERMOD operation applies only to the OUTDD data set; specification of INDD is incompatible.

System Action: The current ALTERMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Delete the INDD operand or the IEBCOPY operation specification.

Problem Determination: None.

IEB198I RECFORM 'U' REQUIRED WITH ALTERMOD/COPYMOD

Explanation: The named data set does not have undefined records.

System Action: The current ALTERMOD/COPYMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Correct the data set name and resubmit.

Problem Determination: None.

IEB199I DSORG 'PO' REQUIRED WITH <ALTERMOD|COPYMOD OUTDD>

Explanation: The named data set is not a partitioned data set.

System Action: The current ALTERMOD/COPYMOD operation is terminated. The next COPY, COPYMOD, or ALTERMOD statement is sought. The return code is 8.

Programmer Response: Correct the data set name and resubmit.

Problem Determination: None.

IEBCOMPR PROGRAM MESSAGES

IEB201I INVALID CONTROL STATEMENT

Explanation: The syntax of the control statement preceding this message is invalid.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the syntax of the preceding statement and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB202I INVALID DIRECTORY BLOCK SIZE

Explanation: The length of the partitioned data set directory entry is less than 14 or greater than 256 bytes.

System Action: The job step is terminated. The return code is 12.

Programmer Response: Ensure that the specified dataset is a PDS. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 26a, 29.

IEB203I ALIAS/TRUE NAME FAILURE

Explanation: A true name and an alias name were the same for SYSUT1 and SYSUT2 data sets.

System Action: The name that is a member in one data set and an alias in the other data set is printed. Processing continues with the comparison of user data. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB205I USER DATA FIELDS UNEQUAL

Explanation: The user data fields or TTRs of the SYSUT1 and SYSUT2 data sets are not identical.

System Action: The fields are listed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB210I TRUE NAMES MISSING FROM BOTH SETS

Explanation: Not all the names in one directory have counterpart names in the other directory.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that at least one partitioned data set has true names associated with every member in the partitioned data set. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 26a, 29.

IEB211I KEY LENGTHS ARE NOT EQUAL.

Explanation: The key lengths of the SYSUT1 and SYSUT2 data sets are not equal.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that both input data sets contain keys with the same length. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Have the input data sets available.

IEB212I INVALID DCB PARAMETER

Explanation: Either the record formats are not standard, or the BLKSIZE/LRECL is omitted from either the input or output DD statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that a valid RECFM was specified in the DCB, and that the BLKSIZE/LRECL parameter was included in the input or output DD statement. If the data set resides on an unlabeled tape, make sure that a valid RECFM was included in the DCB parameter in the DD statement. After making corrections, resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 25a, 29.

IEB213I REPETITIOUS CARD INVALID

Explanation: A second COMPARE or LABELS statement has been encountered.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Remove the extra command statement and resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB214I FIXED RECORD LENGTHS UNEQUAL

Explanation: The record lengths of the SYSUT1 and SYSUT2 data sets are not the same.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the logical records in both data sets are of the same length, and that the LRECL parameter in both DCBs are correctly specified. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25a, 29.

IEB215I RECORD FORMATS DIFFERENT

Explanation: The record characteristics of the SYSUT1 and SYSUT2 data sets are not the same.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the record characteristics of the two data sets are compatible.

Problem Determination: Table I, items 1, 3, 13, 25a, 29.

IEB216I ILLEGAL CONTROL CARD SEQUENCE

Explanation: The COMPARE statement was not the first utility control statement, or two COMPARE statements were encountered.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Make sure that there is only one COMPARE statement in the input stream. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB217I INVALID LRECL FOR V/VS RECORD

Explanation: The LL field of a variable-length record is less than 5, is greater than 32,756, or is greater than remaining size of the block.

System Action: The job step is terminated. The return code is 12.

Programmer Response: Make sure that the input data sets are valid. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Have the input data sets available.

IEB218I PERMANENT INPUT ERROR - FIND MACRO

Explanation: A permanent input error was found by the FIND macro instruction during a partitioned data set directory search.

System Action: The job step is terminated. The return code is 12.

Programmer Response: See Problem Determination, below.

Problem Determination: Table I, items 1, 3, 13, 25c, 29. Table II, Format 1: trace option—TRACE=SIO, IO, PCI.

IEB219I INVALID BLKSIZE FOR V/VS RECORD

Explanation: The LL field of a variable-length block is less than 9 or greater than 32,760.

System Action: The job step is terminated. The return code is 12.

Programmer Response: Make sure that the input data sets are valid. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Have the input data sets available.

IEB221I RECORDS ARE NOT EQUAL

Explanation: Two corresponding records do not contain the same data, or the second part of the record descriptor word is not equal (00).

System Action: The records are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB222I KEYS ARE NOT EQUAL

Explanation: Two corresponding keys do not contain the same data.

System Action: The records are printed and processing continues. The return code is 8.

Programmer Response: None

Problem Determination: None.

IEB223I EXTRA RECORD ON SYSUT2

Explanation: The SYSUT2 data set contains more records than the SYSUT1 data set.

System Action: The records are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB224I EXTRA RECORD ON SYSUT1

Explanation: The SYSUT1 data set contains more records than the SYSUT2 data set.

System Action: The records are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB225I JOB TERMINATED AFTER EXIT

Explanation: The return code from an exit routine indicated that the job should be terminated.

System Action: The job is terminated. The return code is 12 or 16, as determined by the exit routine.

Programmer Response: None.

Problem Determination: Table II, Format 1: trace option—TRACE=SIO, IO.

IEB226I WARNING - INVALID NAME

Explanation: The statement label either is longer than eight characters or contains an invalid character.

System Action: Processing continues normally.

Programmer Response: Probable user error. Correct the statement label. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB227I TEN CONSECUTIVE ERRORS

Explanation: Ten successive unequal comparisons have occurred, and an error routine was not specified.

System Action: If the input data sets are sequential, the program is terminated. The return code is 12. If the input data sets are partitioned, processing continues with the next member. If the current member is the

last member, the program is terminated. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB229I DDNAME ddname CANNOT BE OPENED

Explanation: The named DD statement, ddname, does not exist.

System Action: The program is terminated. The return code is 12.

Programmer Response: Either correct the ddname if it is misspelled in the DD statement or the DDLIST, or insert a new DD statement with the correct name.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB230I SYSIN BLOCKSIZE ERROR

Explanation: The SYSIN DD statement specifies a block size that is not a multiple of the specified logical record length.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the block size is a multiple of the specified logical record length. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB231I EXTRA USER INPUT HEADER LABELS ON SYSUT1

Explanation: The SYSUT1 data set contains more user input header labels than the SYSUT2 data set.

System Action: The extra labels are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB232I EXTRA USER INPUT HEADER LABELS ON SYSUT2

Explanation: The SYSUT2 data set contains more user input header labels than the SYSUT1 data set.

System Action: The extra labels are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB233I EXTRA USER INPUT TRAILER LABELS ON SYSUT1

Explanation: The SYSUT1 data set contains more user input trailer labels than the SYSUT2 data set.

System Action: The extra labels are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB234I EXTRA USER INPUT TRAILER LABELS ON SYSUT2

Explanation: The SYSUT2 data set contains more user input trailer labels than the SYSUT1 data set.

System Action: The extra labels are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB235I SYSUT1 CONTAINS NO USER INPUT HEADER LABELS

Explanation: The programmer requested the INHDR exit and/or label comparison, but there was no input header label on the SYSUT1 data set.

System Action: Message IEB232I will be issued.

Programmer Response: None.

Problem Determination: None.

IEB236I SYSUT2 CONTAINS NO USER INPUT HEADER LABELS

Explanation: The programmer requested the INHDR exit and/or label comparison, but there was no input header label on the SYSUT2 data set.

System Action: Message IEB231I will be issued.

Programmer Response: None.

Problem Determination: None.

IEB237I BOTH INPUT DATA SETS CONTAIN NO USER HEADER LABELS

Explanation: The programmer requested the INHDR exit and/or label comparison, but there were no input header labels on the SYSUT1 and SYSUT2 data sets.

System Action: Processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB238I SYSUT1 CONTAINS NO USER INPUT TRAILER LABELS

Explanation: The programmer requested the INTLR exit and/or label comparison, but there was no input trailer label on the SYSUT1 data set.

System Action: Message IEB234I is also issued.

Programmer Response: None.

Problem Determination: None.

IEB239I SYSUT2 CONTAINS NO USER INPUT TRAILER LABELS

Explanation: The programmer requested the INTLR exit and/or label comparison, but there was no input trailer label on the SYSUT2 data set.

System Action: Message IEB233I is also issued.

Programmer Response: None.

Problem Determination: None.

IEB240I BOTH INPUT DATA SETS CONTAIN NO USER TRAILER LABELS

Explanation: The programmer requested the INTLR exit and/or label comparison, but there were no input trailer labels on the SYSUT1 and SYSUT2 data sets.

System Action: Processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB241I INPUT HEADER LABELS ARE NOT EQUAL

Explanation: Corresponding input header labels are not the same.

System Action: The SYSUT1 label is listed first, followed by the SYSUT2 label. Processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB242I INPUT TRAILER LABELS ARE NOT EQUAL

Explanation: Corresponding input trailer labels are not the same.

System Action: The SYSUT1 label is listed first, followed by the SYSUT2 label. Processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB243I ERROR WHILE READING USER INPUT HEADER LABEL ON SYSUT1

Explanation: An uncorrectable input/output error occurred while reading the user input header labels on the SYSUT1 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the associated data set available.

IEB244I I/O ERROR WHILE READING USER INPUT HEADER LABEL ON SYSUT2

Explanation: An uncorrectable input/output error occurred while reading the user input header label on the SYSUT2 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the associated data set available.

IEB245I I/O ERROR WHILE READING USER INPUT TRAILER LABEL ON SYSUT1

Explanation: An uncorrectable input/output error occurred while reading the user input trailer label on the SYSUT1 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the associated data set available.

IEB246I I/O ERROR WHILE READING USER INPUT TRAILER LABEL ON SYSUT2

Explanation: An uncorrectable input/output error occurred while reading the user input trailer label on the SYSUT2 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB247I *x* **INPUT {HEADER | TRAILER} LABELS FROM BOTH DATA SETS ARE COMPARED**

Explanation: At the programmer's request, x number of user input header or trailer labels were compared.

System Action: If the return code from the user exit routine is 16, message IEB225I is also issued. Otherwise, processing continues normally.

Programmer Response: None.

Problem Determination: None.

IEB248I x EXITS TO rtne IS MADE FOR {SYSUT1 | SYSUT2} RETURN CODE FROM USER ROUTINE IS d

Explanation: User label processing routine rtne has been entered x times for the SYSUT1 or SYSUT2 data set, as indicated in the message text. The routine returned a return code of d, indicating that no more labels will be processed.

System Action: If the return code from the user routine is 16, message IEB225I is also issued. Otherwise, processing continues normally.

Programmer Response: None.

Problem Determination: None.

IEB249I NO RECORDS ARE COMPARED, DATA=ONLY

Explanation: The programmer specified DATA=ONLY. Therefore, only user header labels are processed.

System Action: The program is terminated. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB250I USER LABEL IS NOT SUPPORTED BY PARTITIONED DATA SET

Explanation: The programmer requested the INHDR or INTLR exit, but user labels are invalid for partitioned data sets.

System Action: The program is terminated. The return code is 12.

Programmer Response: Specify the keyword parameter in the COMPARE statement if the data sets are indeed physical sequential. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25a, 29. Have the associated data sets available.

IEB251I INCOMPATIBLE MAXIMUM LOGICAL RECORD LENGTH

Explanation: One of the input data sets contains logical records greater than 32K bytes; the other one does not.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that both data sets contain records of compatible logical record length. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25a, 29. Have the associated data sets available.

IEB252I KEYED DATA SETS. ONE CONTAINS SPANNED RECORD, THE OTHER ONE DOES NOT

Explanation: Both input data sets contain keyed records. One data set has variable spanned records. The other one does not.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the input data sets are of compatible characteristics. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25a, 29. Have the associated data sets available.

IEB253I RECORDS ARE COMPARED AT PHYSICAL BLOCK LEVEL

Explanation: Since both data sets contain keyed spanned records or logical records greater than 32K bytes, the comparison is made at the block level.

System Action: Processing continues normally.

Programmer Response: None.

Problem Determination: None.

IEB254I CORRESPONDING BLOCK LENGTHS ARE NOT EQUAL

Explanation: Corresponding block lengths are not the same.

System Action: The blocks are printed, and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB255I CORRESPONDING RECORD LENGTHS ARE NOT EQUAL

Explanation: Corresponding lengths of variable or variable spanned records are not the same.

System Action: The records are printed and processing continues. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB256I IEBCOMPR DOES NOT COMPARE PARTITIONED DATA SETS WITH VS RECFM

Explanation: The programmer requested that partitioned data sets containing variable spanned (VS) records be compared. IEBCOMPR does not support this function.

System Action: The program is terminated. The return code is 12.

Programmer Response: Specify TYPORG=PS in the COMPARE statement if the input data sets are indeed physical sequential. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 25c, 29. Have the associated data sets available.

IEB257I JOB TERMINATED AFTER EXIT FOR USER VOLUME SWITCH LABEL PROCESS

Explanation: The programmer requested that processing be terminated after the volume switch input header/trailer labels were examined in the labels exit routine.

System Action: The program is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB258I USER LABELS NOT COMPARED, UNABLE TO TAKE EXIT FOR ONE DATA SET

Explanation: The programmer wishes to process the input header/trailer labels as data, but the utility program is unable to take the input header/trailer label exit for one of the data sets. Probably, the SUL subparameter is missing from the SYSUT1 or SYSUT2 DD statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that both the SYSUT1 and SYSUT2 DD statements specify SUL in the LABEL parameter. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB259I INVALID KEYWORD IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, a keyword beginning in or before column dd is either incorrect or not applicable to the command for which it was specified.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB260I MISSING COMMAND IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, a command that should appear in or before column dd is omitted. Possibly, the previous statement indicated a continuation, but the continuation indicator was not recognized, and the scan routine looked for a command on the preceding statement.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB261I INVALID PARAMETER IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, a keyword beginning in or before column dd is incorrect:

- The parameter is longer than eight characters.
- The parameter is invalid for the preceding keyword.
- The parameter is not immediately preceded by an equal sign.
- The parameter is misspelled.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB262I MISSING KEYWORD IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, a required keyword that should appear in or before column dd is omitted, or a blank immediately preceded an equal sign.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB263I MISSING PARAMETER IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, a required parameter that should appear in or before column dd is omitted.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB264I FIRST CONTROL CARD IS NOT COMPARE

Explanation: The COMPARE statement was not the first utility control statement.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB265I INVALID COMMAND IN OR BEFORE COLUMN dd

Explanation: In the statement preceding this message, the command beginning in or before column dd is either misspelled or not immediately preceded or followed by a blank.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB266I CONTINUATION CARD BEGINS IN WRONG COLUMN

Explanation: The continuation statement preceding this message does not begin in columns 4-16.

System Action: The job is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB267I I/O ERROR jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

jjj
: Job name

sss
: Step name

ddd
: Unit address of the device

devtyp
: Device type

ddn
: Data definition name

op
: Operation attempted

err
: Error description

xxxx
: Last seek address of block count

acc
: Access method

System Action: The program is terminated. The return code is 12.

Programmer Response: Ensure that the DCB information was valid. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the associated data set available.

IEBGENER PROGRAM MESSAGES

IEB302I INVALID PARAMETER LIST

Explanation: The parameter list supplied by the programmer is invalid; that is, the halfword pointed to by the first word of the three-word parameter list contains a negative number.

System Action: The program step is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the length of the parameter list specified is not a negative number.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB303I INVALID CONTROL STATEMENT

Explanation: The syntax of the control statement preceding this message is invalid, or a parameter value that is inconsistent with the data set content has been specified.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB304I CONTROL STATEMENT INPUT ERROR

Explanation: A permanent input/output error was detected while reading the SYSIN data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Retry the operation. If the operation fails a second time with this same message, then in all probability a hardware error has occurred. Ensure the quality of the hardware medium on which the dataset referenced by the SYSIN DD card resides. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB305I JOB TERMINATED AFTER LABEL EXIT

Explanation: A return code of 16 was returned by a LABEL exit routine, indicating that processing is terminated.

System Action: The job is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB306I JOB TERMINATED AFTER KEY EXIT

Explanation: A return code of 12 or 16 was returned by a KEY exit routine, indicating that processing is terminated.

System Action: The program is terminated. The return code is 12 or 16, as determined by the exit routine.

Programmer Response: None.

Problem Determination: None.

IEB307I JOB TERMINATED AFTER DATA EXIT

Explanation: A return code of 12 or 16 was returned by a DATA exit routine, indicating that processing is terminated.

System Action: The job is terminated. The return code is 12 or 16, as determined by the exit routine.

Programmer Response: None

Problem Determination: None.

IEB308I PERMANENT INPUT ERROR

Explanation: A permanent input/output error was detected while reading the SYSUT1 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the DCB values are correct for the data set being processed.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB309I PERMANENT OUTPUT ERROR

Explanation: A permanent input/output error was detected while writing the SYSUT2 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the output DCB values are compatible with input DCB values, considering any record editing that was requested.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB310I STOW ERROR IN OUTPUT DATA SET

Explanation: A permanent error occurred while writing the directory of the SYSUT2 data set. Possibly:

- The SYSUT2 data set is not partitioned.
- A member name was specified more than once in MEMBER statements.
- A member name was specified in a MEMBER statement, and a member of the same name already exists in the partitioned data set.

- Insufficient space was allocated for the directory.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the SYSUT2 data set is partitioned, a member name is not specified more than once, and sufficient space is allocated for the directory, as necessary.

Problem Determination: Table I, items 1, 3, 13, 25c, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB311I CONFLICTING DCB PARAMETERS

Explanation: The DCB parameters in the SYSUT2 DD statement are not compatible with those specified in the SYSUT1 DD statement (that is, (1) the I/O blocksize is not a multiple of the I/O logical record length when the record format is FB, or F or (2) the I/O blocksize is not at least 4 bytes larger than the I/O logical record length when the record format is VB or V.)

System Action: The job step is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the DCB parameters of the output DD statement are compatible with the DCB parameters of the input DD statement, considering any editing that was requested.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB312I JOB TERMINATED AFTER ERROR EXIT

Explanation: A return code of 16 was returned by an ERROR exit routine, indicating that processing is terminated.

System Action: The program is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB315I SPACE NOT AVAILABLE

Explanation: Insufficient virtual storage space is available for the work area, buffers, and save areas.

System Action: The job is terminated. The return code is 12.

Programmer Response: Increase virtual storage size and resubmit job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB316I DDNAME ddname CANNOT BE OPENED

Explanation: DD statement ddname does not exist. Perhaps a ddname is misspelled in an existing DD statement or ddlist.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB317I JOB TERMINATED, NO INPUT BLKSIZE/LRECL

Explanation: The BLKSIZE/LRECL parameter was omitted from the input DD statement for SYSUT1.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB318I JOB TERMINATED, NO OUTPUT BLKSIZE/LRECL

Explanation: The BLKSIZE/LRECL parameter was omitted from the output DD statement for SYSUT2.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB319I INVALID SYSPRINT/SYSIN BLOCKSIZE

Explanation: The SYSPRINT/SYSIN DD statement specifies a block size that is not a multiple of the specified logical record length.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB320I OUTPUT DATA SET WITH KEYS IN VS/VBS PROCESSING

Explanation: During processing of other than "straight copy," the programmer specified keys for a VS or VBS output

data set. If a change is required in the data set characteristics, or if editing is to be done, a key cannot be specified.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the data set characteristics (RECFM, BLKSIZE, LRECL) to be equal for the input and output data sets, and do not edit if keys are desired on VS or VBS records.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB321I INPUT DATA SET WITH KEYS IN VS/VBS PROCESSING

Explanation: The input data set contained keys, and either the input or output data set contained VS or VBS records. The other data set did not contain VS or VBS records. If a change is required in the data set characteristics, or if editing is to be done, a key cannot be specified.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the data set characteristics (RECFM, BLKSIZE, LRECL) to be equal for the input and output data sets, and do not edit if keys are desired on VS or VBS records.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB322I JOB TERMINATED AFTER OPENING OUTPUT DATA SET UPON USER REQUEST

Explanation: The input header user label routine requires termination of the job after the output data set is opened.

System Action: The job is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB323I JOB TERMINATED AFTER HEADER LABEL PROCESSING

Explanation: The programmer specified a LABELS DATA=ONLY statement. Therefore, after the user header labels are processed, the program is terminated.

System Action: The program is terminated. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB324I x TIMES TO rtne EXIT ROUTINE

Explanation: User label exit routine rtne has received control x times.

System Action: Processing is continued. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB325I LAST RETURN CODE WAS xx

Explanation: Return code xx was the last return code issued by the user routine specified in message IEB324I.

System Action: Processing is continued. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB326I {SYSUT1 | SYSUT2} | {HEADER | TRAILER} LABEL GAVE I/O ERROR

Explanation: A permanent input/output error occurred while reading or writing a SYSUT1 or SYSUT2 header or trailer label, as indicated in the message text. If the error occurred while reading or writing a header label, the data set was not opened.

System Action: The program is terminated. The return code is 12.

Programmer Response: Retry the operation. If the operation fails a second time with this same message, ensure the quality of the hardware medium on which the dataset referenced by the SYSUT1 or SYSUT2 DD (see the details of the message) resides. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB327I SPECIFIED KEY EXITS ARE NOT TAKEN

Explanation: The programmer specified key exits on a job requiring processing of a VS or VBS data set with reformatting.

System Action: Key exits are not taken. Processing continues. The return code is 4.

Programmer Response: Do not specify key exits.

Problem Determination: None.

IEB328I LRECL EXCEEDS 32K; STRAIGHT COPY NOT SPECIFIED

Explanation: A process other than "straight copy" was specified. However:

- The RECFM specified for the input or output DCB was VS or VBS.
- The LRECL specified for the input or output DCB, or both, was greater than 32,756.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Make data set characteristics (RECFM, LRECL, BLKSIZE) equal for input and output data sets. Do not specify editing. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB329I PDS NOT ALLOWED WHEN INPUT/OUTPUT DATA SET HAS RECFM=VS/VBS

Explanation: The programmer specified that the output data set should be partitioned, but the input and/or output data set has VS or VBS records which are invalid.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Remove the utility control statements which specify the output data set as being a PDS, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB330I TOTALING EXIT REQUESTS TERMINATION

Explanation: A return code of 16 was returned by the programmer's totaling routine, indicating that processing is terminated.

System Action: The program is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB331I PROCESSING ENDS UPON REQUEST OF TOTALING EXIT

Explanation: A return code of 8 was returned by the programmer's totaling routine, indicating that processing is terminated, but normal end-of-data processing is completed for the output data set.

System Action: Processing is terminated, but normal end-of-data processing is completed for the output data set. The return code is 8.

Programmer Response: None.

Problem Determination: None.

IEB332I TOTALING EXIT DEACTIVATED UPON ITS OWN REQUEST

Explanation: A return code of 0 was returned by the programmer's totaling routine, indicating that processing is continued, but no further totaling exits are taken.

System Action: Processing continues, but no further totaling exits are taken. The return code is 0.

Programmer Response: None

Problem Determination: None.

IEB333I RECORD LABELS= n STATEMENTS ARE REQUIRED

Explanation: The programmer has specified a LABELS DATA= INPUT statement. Therefore, RECORD LABELS= n statements are also required.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. If user labels are desired, insert a RECORD LABELS= n statement and the associated labels statements in the input stream. If labels are not desired, remove the LABELS DATA=INPUT statement. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB334I NO EDITING OR CONVERSION WILL BE DONE

Explanation: Both data sets contain VS or VBS records, have the same block size, and have the same logical record length. Therefore, no editing or conversion is done.

System Action: Processing continues. The return code is 0.

Programmer Response: None

Problem Determination: None.

IEB336I INVALID COMMAND IN COLUMN dd

Explanation: In the statement preceding this message, the operation beginning in column dd is incorrect:

- A GENERATE statement is not the first control statement.
- The GENERATE statement appears twice.
- An operation is misspelled.
- An operation other than GENERATE, EXITS, MEMBER, RECORD, or LABELS was specified.

- The LABELS statement appears twice.
- There are more input labels than are specified by the RECORD LABELS= n statement.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB337I INVALID KEYWORD IN COLUMN dd

Explanation: In the statement preceding this message, a keyword beginning in column dd is either misspelled, incorrect, or not applicable to the command for which it was specified.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB338I INVALID PARAMETER IS COLUMN dd

Explanation: In the statement preceding this message, a parameter beginning in column dd is incorrect:

- A member name contains more than eight characters.
- In the RECORD statement, the IDENT keyword is followed by more than three parameters.
- In the RECORD statement, the FIELD keyword is followed by more than four parameters.
- In the RECORD statement, the conversion parameters in the FIELD keyword are not HE, PZ, or ZD.
- In the RECORD statement, the LABELS keyword is not followed by a number from one to eight.
- In the LABELS statement, the parameters in the DATA keyword are not ALL, ONLY, YES, NO, or INPUT.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB339I COMMAND MISSING PRECEDING COLUMN dd

Explanation: In the statement preceding this message, no operation is specified before column dd. Possibly, the preceding statement is a continuation statement, but the previous statement indicating the continuation contained an error and, therefore, the continuation was not recognized.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB340I KEYWORD MISSING PRECEDING COLUMN dd

Explanation: In the statement preceding this message, a required keyword that should appear before column dd is omitted. That is, the NAME keyword is not specified in the MEMBER statement, or the DATA keyword is not specified in the LABELS statement.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB341I PARAMETER MISSING PRECEDING COLUMN dd

Explanation: In the statement preceding this message, a parameter that should appear before column dd is omitted. That is, a keyword is not followed by a parameter, or the IDENT keyword in the RECORD statement is not followed by all three parameters.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB342I INVALID SPACE ALLOCATION

Explanation: Required keywords in the GENERATE statement are omitted, or their parameter values are too small. This message is also issued if a RECORD LABELS= n statement is not preceded by a LABELS DATA=INPUT statement.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB343I ALLOWED NO. OF CARDS EXCEEDED

Explanation: Three or more LABELS statements were encountered. Two LABELS statements are the maximum number allowed.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB344I WARNING: INVALID STATEMENT LABEL

Explanation: In the statement preceding this message, the name field is greater than eight characters, or contains an invalid character.

System Action: Processing continues.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: None.

IEB345I CONTINUATION NOT STARTED IN 4-16

Explanation: The statement preceding this message does not contain any characters in columns 4-16, indicating that the statement is not a continuation. However, the previous statement indicated that a continuation statement was to follow.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB346I MISSING PARENTHESIS

Explanation: In the statement preceding this message, a closing parenthesis is omitted, or an error was encountered in a parameter list before the closing parenthesis.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB347I DUPLICATE KEYWORD

Explanation: In the EXITS statement preceding this message, a keyword is specified twice.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB348I PRECEDING MEMBER REQUIRES 'IDENT'

Explanation: Two MEMBER statements were encountered; however, there was no RECORD IDENT statement associated with the first MEMBER statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB349I INCONSISTENT PARAMETERS IN FIELD OR IDENT

Explanation: The first two parameters on an IDENT or FIELD keyword are not consistent with each other.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the length indicator is accurate for the parameter it is describing, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB350I LITERAL LENGTH EXCEEDS 40

Explanation: In the RECORD statement preceding this message, the literal specified in the FIELD keyword is greater than 40 bytes.

System Action: The job is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB351I I/O ERROR jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

jjj
Job name

sss
Step name

ddd
Unit address of the device

devtyp
Device type

ddn
Data definition name

op
Operation attempted

err
Error description

xxxx
Last seek address or block count

acc
Access method

System Action: The job step is terminated. The return code is 12.

Programmer Response: Make sure that the data set characteristics accurately describe the data set which is being accessed. If they do not, correct them, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB352I WARNING: OUTPUT RECFM/LRECL/BLKSIZE COPIED FROM INPUT

Explanation: When neither RECFM, LRECL, nor BLKSIZE was present in the output DCB at open time, the IEBGENER program copies these values from the input data set. Also, when the output data set has no LRECL, this value is copied from the input data set.

System Action: None.

Programmer Response: If you want to change the output RECFM, BLKSIZE, and LRECL, always specify the RECFM (except for U) and the BLKSIZE on the output DD card. Also, the LRECL must be present on the output DD card if editing was done and the RECFM is FB, VS, or VBS.

Problem Determination: None.

IEBPTPCH PROGRAM MESSAGES

IEB401I PRINT/PUNCH STATEMENT NOT FIRST.

Explanation: A PRINT or PUNCH statement is not the first utility control statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB402I INVALID OPERATION

Explanation: In the utility statement preceding this message, the operation is invalid.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB403I MORE THAN TWO TITLE STATEMENTS.

Explanation: More than two TITLE statements are included. Two TITLE statements are the maximum number allowed.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB404I KEYWORD INVALID OR OMITTED

Explanation: In the statement preceding this message, a required keyword is either incorrect or missing.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB405I PARAMETER INVALID OR OMITTED

Explanation: In the statement preceding this message, a required parameter is either incorrect, inconsistent, or missing.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct or include the required parameter on the preceding statement. If multiple RECORD statements are included, make sure that an IDENT parameter is contained in each statement except the last. The last statement does not require the IDENT parameter.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB406I JOB TERMINATED AFTER USER EXIT

Explanation: The job was terminated after control was returned from an exit routine.

System Action: The program is terminated. The return code is 12 or 16, as determined by the exit routine.

Programmer Response: None.

Problem Determination: None.

IEB407I JOB TERMINATED DUE TO I/O ERROR

Explanation: A permanent input/output error was encountered.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Check the DCB parameters of the SYSUT1 or the SYSIN data sets. Make sure that the maximum LRECL size is specified for variable-length records. Make sure that TYPORG=PO was not specified for a physical sequential data set. If SYSUT1 record format is V or VS, make sure there are no records less than the minimum 5 bytes long. Make sure that SYSIN BLKSIZE is a multiple of 80.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB408I MEMBER membername CANNOT BE FOUND

Explanation: Member membername is not contained in the SYSUT1 data set.

System Action: The member is not printed or punched. If there is another MEMBER statement, the next member is read; otherwise, the program is terminated. The return code is 8.

Programmer Response: Make sure that the member to be printed or punched is contained in the SYSUT1 data set.

Problem Determination: Table I, items 1, 3, 13, 25c, 29.

IEB409I INVALID CONTROL STATEMENT

Explanation: The construction of the control statement preceding this message is invalid.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the construction of the preceding statement is correct. If this is a TITLE card, make sure there are valid parentheses with the ITEM keyword.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB410I INCORRECT RECORD STATEMENT

Explanation: The RECORD statement preceding this message is incorrect.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. If an IDENT keyword is in the preceding RECORD statement, make sure that the sum of the input-location parameter minus one and the length parameter does not exceed the SYSUT1 logical record length. If one or more FIELD keywords are in the preceding RECORD statement, make sure that the sum of the input-location parameter and the length parameter does not exceed the SYSUT1 logical record length. Also, make sure that the sum of all length parameters, for fields defined in the preceding RECORD statement, does not exceed the specified output length minus one per printed line or per punched card.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB411I DDNAME ddname CANNOT BE OPENED

Explanation: DD statement ddname does not exist. Perhaps a ddname is misspelled in an existing DD statement or ddlist.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB412I INVALID INP/OUTP DCB PARAMETER

Explanation: One or more parameters in the BLKSIZE or LRECL keywords were omitted from the SYSUT1/SYSUT2 DD statement. The omitted parameters were replaced by the value 1.

System Action: The program is terminated. The return code is 12.

Programmer Response: Make sure that the DCB contains all necessary parameters.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB414I xxxx PARAMETER IS TOO SMALL

Explanation: The number of FIELD keywords, IDENT keywords, literals, or name keywords in MEMBER or RECORD statements is greater than the number specified in parameter xxxx-MAXFLDs, MAXGPS, MAXLITS, MAXLINE, or MAXNAME, respectively.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Specify a greater value for parameter xxxx.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB415I VS/VBS DATA PROCESSED IN BLOCKS

Explanation: The LRECL specified for the VS or VBS input data area exceeds 32,756 bytes.

System Action: Processing continues on a physical basis; that is, blocks, rather than logical records, are printed or punched.

Programmer Response: None

Problem Determination: None.

IEB416I PREFORM, VS LRECL LARGER THAN 32K

Explanation: The LRECL specified for the VS or VBS input data set exceeds 32,756 bytes, and PREFORM was specified in the PRINT or PUNCH utility control statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Reformat the data set or delete the PREFORM parameter from the PRINT or PUNCH control statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB417I DATA SET EMPTY, RETURN CODE IS 4.

Explanation: The data set to be printed or punched contains no data.

System Action: The print or punch operation is terminated. The return code is 4.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB418I VS/VBS NOT ALLOWED IN PDS

Explanation: The data set organization conflicts with the record format; that is, if RECFM=VS or VBS, then TYPORG must be PS.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. If SYSUT1 record format is VS or VBS, make sure that TYPORG=PO was not specified.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB419I USER RETURN CODE dd INVALID

Explanation: Return code dd was returned by the user. However, the return code is invalid if it is other than 0, 4, or 16.

System Action: The return code is ignored. Processing continues according to prior conditions.

Programmer Response: Change the return code to 0, 4, or 16.

Problem Determination: None.

IEB420I SYSIN IS EMPTY

Explanation: The SYSIN data set does not contain any IEBPTPCH control statements.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB421I I/O ERROR jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

jjj
Job name

sss
Step name

ddd
Unit address of the device

devtyp
Device type

ddn
Data definition name

op
Operation attempted

err
Error description

xxxx
Last seek address or block count

acc
Access method

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB431I INVALID KEYWORD IN COLUMN dd

Explanation: In the statement preceding this message, a keyword beginning in column dd is either incorrect or not applicable to the command for which it is specified.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the invalid keyword in the preceding statement. If this is a LABELS command, make sure that the keyword specified for the DATA= operand is either ALL, ONLY, YES, or NO. If this is a PRINT command, make sure that the parameter specified for the CNTRL keyword is not greater than that specified for the MAXLINE keyword. If this is a PUNCH command, make sure that neither the INITPG nor MAXLINE keyword has been specified.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB432I INVALID PARAMETER IN COLUMN dd

Explanation: In the statement preceding this message, a parameter beginning in column dd is either incorrect or not applicable to the keyword for which it is specified.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the invalid parameter on the preceding statement. If the NAME, INREC, or OUTREC keywords are specified, make sure that the parameter does not exceed 8 characters.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB433I MISSING KEYWORD BEFORE COLUMN dd

Explanation: In the statement preceding this message, a required keyword that should appear before column dd is either omitted, preceded, or followed by an invalid delimiter.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB434I MISSING PARAMETER BEFORE COLUMN dd

Explanation: In the statement preceding this message, a required parameter that should appear before column dd is either omitted, preceded, or followed by an invalid delimiter.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct or include the required parameter on the preceding statement. If a TITLE statement precedes this message, make sure that the literal in the ITEM parameter does not exceed 40 characters.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB435I MISSING COMMAND PRECEDING COLUMN dd

Explanation: In the statement preceding this message, a required command that should appear before column dd is omitted. If it is a continuation statement, however, an error occurred on the preceding statement.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB436I INVALID COMMAND

Explanation: In the statement preceding this message, a command is incorrect or invalid because of conditions set by commands, keywords, or parameters on previous statements.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the command on the preceding statement. Make sure that previous keywords and parameters, such as MAXGPS or MAXNAME, do not conflict with this command or that no RECORD command precedes the first MEMBER command.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB437I INVALID ITEM PARAMETER

Explanation: The "title" or "output-location" parameter of the ITEM operand in a TITLE statement is invalid.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Make sure that the "title" field of the ITEM operand does not exceed 40 bytes, is not zero, or does not contain one apostrophe instead of two. Also, make sure that the sum of the "title" length and the "output-location" length does not exceed the output logical record length.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB438I INVALID NAME

Explanation: In the statement preceding this message, the statement name is either too long or contains an invalid character.

System Action: Processing continues normally. However, the control statement is ignored.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB439I CONTINUATION NOT STARTED IN 4-16

Explanation: In the continuation statement preceding this message, data does not begin in columns 4 through 16.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Make sure that the continuation statement begins in columns 4 through 16. If the statement is not a continuation, however, correct the previous statement that indicates a continuation.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB440I MISSING PARENTHESIS

Explanation: In the statement preceding this message, either a parenthesis is omitted, or there is an error within the parentheses.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB441I MEMBER INVALID: TYPORG NOT PO

Explanation: The MEMBER statement preceding this message is invalid since physical sequential (PS) organization was specified. That is, TYPORG=PO must be specified on the PRINT or PUNCH utility control statement.

System Action: The program is terminated at the end of the control statement scan. The return code is 12.

Programmer Response: Probable user error. If SYSUT1 specifies a physical sequential data set, remove the MEMBER statement. If SYSUT1 specifies a partitioned data set, specify TYPORG=PO on the PRINT or PUNCH statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB442I USER LABEL I/O ERROR CAUSED TERM.

Explanation: An uncorrectable I/O error occurred.

- A standard user label exit was present and the error occurred during label processing.
- A user totaling exit was present and the error occurred while the utility was placing data on the output data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: If further handling of the error is desired, the user exit should be expanded to examine the standard status information and issue an appropriate message.

Problem Determination: None.

IEBISAM PROGRAM MESSAGES

IEB600I UTILITY PROGRAM IEBISAM HAS SUCCESSFULLY COMPLETED THE REQUESTED OPERATION COMPLETION CODE=00

Explanation: The program has successfully completed the requested operation.

System Action: Program operation has completed. The return code is 0.

Programmer Response: None

Problem Determination: None.

IEB601I DCB FIELD VALUES INCONSISTENT COMPLETION CODE=08

Explanation: One or more of the following DCB subparameters are invalid: RECFM LRECL, BLKSIZE, RKP, and KEYLEN.

System Action: The program is terminated. The requested operation is not performed. The return code is 8.

Programmer Response: Probable user error. Correct the invalid DCB subparameters.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB602I jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc COMPLETION CODE=08

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

jjj
: Job name

sss
: Step name

ddd
: Unit address of the device

devtyp
: Device type

ddn
: Data definition name

op
: Operation attempted

err
: Error description

xxxx
: Last seek address or block count

acc
: Access method

System Action: The program is terminated. The return code is 8.

Programmer Response: Make sure the DCB information is consistent with the original indexed sequential data set.

Problem Determination: Table I, items 1, 3, 13, 25b, 29. Table II, Format 1: trace option—TRACE= SIO, IO.

IEB603I DUPLICATE RECORD COMPLETION CODE=08

Explanation: A record key is identical to a record key previously placed in the indexed sequential data set. Possibly, the RKP or the KEYLEN parameter has been changed. This message appears for a LOAD operation only.

System Action: The program is terminated. Reconstruction of the indexed sequential data set is incomplete. The return code is 8.

Programmer Response: UNLOAD the original indexed sequential data set and respecify the LOAD operation. Also, specify the original DCB parameters in the SYSUT1 and SYSUT2 DD cards.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB604I NUMBER OF CHARACTERS TO BE TRANSMITTED EXCEEDS LIMIT COMPLETION CODE=08

Explanation: The number of characters in a fixed-length record exceeds the value specified in LRECL or in LRECL + KEYLEN (for fixed-length, unblocked records with a relative key position of 0). This message appears for a LOAD operation only.

System Action: The program is terminated. The requested operation is not performed. The return code is 8.

Programmer Response: Probable user error. Correct the LRECL subparameter and unload the original indexed sequential data set. Then, respecify the LOAD operation.

Problem Determination: Table I, items 1, 3, 13, 25b, 29.

IEB605I CLOSE REQUESTED BY USER AFTER A USER EXIT COMPLETION CODE=04

Explanation: The return code returned by the user was either 4 or 12.

System Action: The program is terminated. The return code is 4.

Programmer Response: None

Problem Determination: None.

IEB606I ILLEGAL RETURN CODE RECEIVED FROM A USER EXIT COMPLETION CODE=12

Explanation: The return code returned by the user was other than 0, 4, 8, or 12.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the user exit routine to issue a valid return code.

Problem Determination: Table I, items 1, 3, 13, 29. Have a listing of the exit routine available.

IEB607I SYSUT2 OR SYSUT1 DD CARD MISSING. COMPLETION CODE=16

Explanation: No SYSUT1 or SYSUT2 DD statement was included in the job step.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB608I INVALID OPTION IN THE PARM FIELD OF THE EXECUTE CARD COMPLETION CODE=16

Explanation: The PARM parameter of the EXEC statement is incorrect.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB609I INPUT SEQUENCE ERROR COMPLETION CODE=08

Explanation: Either a record was lost, or a noise record was encountered when loading an indexed sequential data set. Possibly, the RKP, KEYLEN, or OPTCD parameter has been changed.

System Action: The program is terminated. The return code is 8.

Programmer Response: If possible, use a backup copy of the unloaded data set. UNLOAD the original indexed sequential data set, and respecify the LOAD operation. Also, specify the original DCB parameters in the SYSUT1 DD card.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEBDG PROGRAM MESSAGES

IEB700I DATA GENERATION HAS BEEN [SUCCESSFULLY] COMPLETED. COMPLETION CODE IS xxxx

Explanation: If xxxx is ZERO, data generation was successfully completed.

If xxxx is FOUR, the job step was terminated at the request of the user.

If xxxx is EIGHT, an error occurred while processing a utility control statement.

If xxxx is TWELVE, an error occurred while processing an input or output data set.

If xxxx is SIXTEEN, incorrect parameters were encountered in a data control block while opening a data set.

System Action: The program is terminated.

Programmer Response: If xxxx is ZERO or FOUR, no action is necessary.

If xxxx is EIGHT, correct the appropriate control statements, and resubmit the job step.

If xxxx is TWELVE, correct the error condition described in message IEB729I, and resubmit the job step.

If xxxx is SIXTEEN, correct the appropriate DD statement, and resubmit the job step.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB702I OPERATION WAS NOT DSD, FD, CREATE, REPEAT, OR END. CORRECT AND RERUN.

Explanation: The preceding utility control statement specified an invalid operation; that is, the operation was not DSD, FD, CREATE, REPEAT, or END.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB703I INVALID KEYWORD VALUE. DELIMITER, DESCRIPTOR OR TYPE IS IMPROPER OR DUPLICATED. AN FD NAME HAS OCCURRED PREVIOUSLY.

Explanation: The keyword value pinpointed by message IEB727I (if any) is incorrect. Possibly:

- A double quote specified within a picture caused an invalid length.
- A starting character of * was used when AL or AN format was specified.
- A character other than 0-9 or A-F was used when a hexadecimal digit was to be specified.
- A non-numeric character was used when a decimal number was to be specified.
- A keyword was misspelled.
- An FD statement contained a previously used name.
- Mutually exclusive subparameters are encountered such as FORMAT=CO and ACTION=RO. In this case, message IEB727I will not precede this message.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB704I INPUT DDNAME ON CREATE OR FD CARD IS NOT SPECIFIED ON DSD CARD.

Explanation: The ddname specified on a CREATE or FD statement was not referred to on the DSD statement beginning this set of utility control statements. The IEBDG program was unable to open the data set.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB705I INVALID KEYWORD, POSSIBLE IMBEDDED COMMA.

Explanation: The keyword pinpointed by message IEB727I is invalid. Possibly, the keyword is misspelled or contains an embedded comma.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB706I NUMBER SPECIFIED IS LARGER THAN 32,767 OR EXCEEDS MACHINE CAPACITY.

Explanation: A length parameter on an FD statement was specified larger than 32,767 or machine capacity during an INDEX operation. No conversion is performed.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB707I FD NAME ON CREATE CARD IS NOT PREVIOUSLY DEFINED BY AN FD CARD OR IS NOT ASSOCIATED WITH CORRECT DCB.

Explanation: The NAME parameter on a CREATE statement does not specify a value previously defined on an FD statement.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB708I PICTURE LENGTH TOO LARGE FOR CONVERSION

Explanation: A decimal picture was to be converted to packed decimal or to a binary equivalent; however, the number of digits specified in the picture exceeds 16. No conversion is performed.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB709I USER EXIT ROUTINE RETURNED AN INVALID RETURN CODE

Explanation: The return code returned from the user exit routine was other than 0, 4, 12, or 16.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the user exit routine so that a valid return code is returned and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 23. Have program listing of the associated user exit routine available.

IEB710I UNABLE TO GET ENOUGH SPACE TO PROCESS REMAINING CONTROL CARDS

Explanation: A GETMAIN operation was unable to get sufficient space to process the remaining control statements.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. If a REGION parameter was specified, ensure that the specified value is sufficient to complete the necessary processing and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 19.

IEB711I KEYWORD VALUE NOT FOLLOWED BY A BLANK OR COMMA

Explanation: The keyword value pinpointed by message IEB727I is not followed by a blank or a comma.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB712I CONTROL CARD NAME OR KEYWORD VALUE EXCEEDS 8 CHARACTERS

Explanation: The length of a keyword value or control statement name is greater than 8 characters.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB713I FLAGGED KEYWORD IS NOT COMPATIBLE WITH A PRECEDING KEYWORD

Explanation: The keyword pinpointed by message IEB727I is not compatible with another keyword already specified on the same statement. (For example, the keywords PICTURE and FORMAT cannot be used together.)

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB714I REPEAT CARD ERROR OR REQUIRED NUMBER OF CREATE CARDS NOT PRESENT

Explanation: One of the following error conditions occurred:

- Two or more REPEAT statements refer either to the same CREATE statement or to the same group of CREATE statements.
- A CREATE keyword in a REPEAT statement specifies a number greater than the number of following CREATE statements.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB715I NAME AND/OR LENGTH OR QUANTITY SPECIFICATION(S) OMITTED FROM FD AND/OR REPEAT CARD

Explanation: One or more of the field name, length, and quantity specifications is missing from an FD and/or REPEAT statement.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB716I PICTURE STRING OR FD FIELD OVERFLOWS OUTPUT RECORD OR INPUT FIELD SELECTED OVERRUNS INPUT WORKAREA

Explanation: During construction of an output record by a CREATE statement, a specified picture string or FD field extended past the end of the defined record.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set. Make sure that the DCB parameters are correct. Compare the LRECL parameter value with the length of the defined record, and make sure the value is specified correctly. Resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB717I INPUT RECORD SIZE EXCEEDS SPECIFIED OUTPUT RECORD SIZE

Explanation: The record length specified in a DD statement for an output data set is not sufficient to contain corresponding input records.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB718I DSD CONTROL CARD MUST BE FIRST CARD OF SET

Explanation: The DSD control statement is either out of order or missing.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Insert the missing DSD statement, or correct the sequence of control statements.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB720I BLANK DOES NOT FOLLOW OPERATION OR CONTROL CARD NAME

Explanation: The control statement name or operation is not followed by a blank.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB721I KEYWORD, KEYWORD VALUE OR DELIMITER IS MISSING OR EXTENDS INTO COLUMN 72

Explanation: A required keyword, keyword value, or delimiter is missing or is specified in column 72.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB723I PICTURE PARAMETER IS NOT FOLLOWED BY A BLANK OR COMMA

Explanation: The picture length subparameter or the picture value field is not followed by a blank or comma.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Since the output data set may have been only partially completed, execute IEHPROGM to scratch the data set, if necessary. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB724I UNABLE TO OPEN DATA SET. LOOK FOR CONFLICTING VALUES OR MISSING DD CARD

Explanation: An input or output data set referred to by a DSD statement could not be opened. Possibly, the DD statement is missing or the BLKSIZE, LRECL, or RECFM subparameters is incorrect.

System Action: No syntax checking or data generation is performed for this set of utility control statements. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB725I A DUPLICATE DSD CARD HAS BEEN FOUND. CHECK FOR MISSING END CARD.

Explanation: An END statement is either out of order or missing.

System Action: Syntax checking of the remainder of the utility control statements in this set continues, but no additional data is generated. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB726I EXEC STATEMENT PARM PARAMETER IS CODED INCORRECTLY

Explanation: The PARM parameter of the EXEC statement contains an invalid character, or does not contain a 4-digit decimal number.

System Action: The line count of the message data set is set to a default value of 58. The return code is 0.

Programmer Response: Probable user error. If the default value assumed is unacceptable, correct the LINECNT subparameter on the EXEC statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB727I ERROR

Explanation: This message immediately follows an error message and pinpoints the location of syntax errors, incompatible keywords, and other control statement coding errors. In most cases, the "E" of ERROR falls directly below the point at which the error was detected in the preceding control statement.

System Action: The system action and return code are as indicated in the error message that follows this message.

Programmer Response: Respond as indicated in the error message that follows this message.

Problem Determination: None.

IEB728I INPUT STREAM FLUSHED FROM THIS POINT. LRECL, BLKSIZE, OR RECFM INCORRECT IN INPUT OR OUTPUT DCB

Explanation: An input or output data set could not be opened. Probably, the LRECL, BLKSIZE, or RECFM specification for the data set is incorrect or missing.

System Action: No syntax checking or data generation is performed for this set of utility control statements. Processing continues normally with the next DSD statement encountered. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB729I PERMANENT I/O ERROR, jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued by the SYNAD routine was:

jjj
: Job name

sss
: Step name

ddd
: Unit address of the device

devtyp
: Device type

ddn
: Data definition name

op
: Operation attempted

err
: Error description

xxxx
: Last seek address or block count

acc
: Access method

System Action: The program is terminated. The return code is 12.

Programmer Response: Correct the error condition as indicated in the message text.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEBUPDTE PROGRAM MESSAGES

IEB801I {OM | NM} LRECL AND BLOCKSIZE ASSUMED 80/80

Explanation: Necessary DCB parameters were omitted from the SYSUT1 (indicated by OM or old master) or SYSUT2 (indicated by NM or new master) DD statement. The program assumes that the SYSUT1 or SYSUT2 data set, as applicable, contains 80-byte unblocked records.

System Action: Processing continues. However, if the data set does not contain 80-byte unblocked records, additional messages will be generated during execution, and the job step will be terminated. The return code is 0.

Programmer Response: If the record format specifications assumed are correct, there is no response required. Otherwise, correct the applicable parameters.

Problem Determination: Table I, items 1, 3, 13, 29. Use IEHLIST to list the VTOCs of the volumes on which the old master and new master data sets reside.

IEB802I I/O ERROR jjj, sss, ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued in the SYNAD routine was:

jjj
: Job name

sss
: Step name

ddd
: Unit address of the device

devtyp
: Device type

ddn
: Data definition name

op
: Operation attempted

err
: Error description

xxxx
: Track address or relative block number

acc
: Access method

System Action: The program is terminated. The return code is 12.

Programmer Response: Correct the error condition indicated in the message text.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB803I PERMANENT INPUT ERROR - FIND MACRO

Explanation: A permanent input error was detected by the FIND macro instruction while attempting to search a partitioned data set directory.

System Action: The program is terminated. The return code is 12.

Programmer Response: Check the DD statement describing the SYSUT1 data set for missing or incorrect parameters.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB804I PERMANENT INPUT ERROR - BLDL MACRO

Explanation: A permanent input/output error was detected by the BLDL macro when attempting to search a partitioned data set directory.

System Action: The program is terminated. The return code is 12.

Programmer Response: Check the DD statement describing the SYSUT1 data set for missing or incorrect parameters.

Problem Determination: Table I, items 1, 3, 13, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB805I CONTROL STATEMENT ERROR

Explanation: In the utility control statement preceding this message, a name, keyword, or parameter is incorrect.

System Action: If the data set is partitioned, the program continues processing with the next function statement. If the data set is not partitioned, the program is terminated. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB806I STATEMENT SEQUENCE ERROR

Explanation: Either the utility control statements are out of sequence, or an unnecessary statement has been encountered.

System Action: If the data set is partitioned, the program continues processing with the next function statement. If the data set is not partitioned, the program is terminated. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB807I INVALID OPERATION

Explanation: The statement preceding this message is inconsistent with previously specified parameters. Possibly:

- A DELETE statement is encountered during an UPDATE=INPLACE operation.
- A CHANGE statement is encountered, but PARM=NEW was specified on the EXEC statement.
- Data statements are out of sequence. Old master records are out of sequence and renumbering was not requested.
- A NUMBER statement with a SEQ1 parameter is encountered following an ADD statement.

System Action: If the data set is partitioned, the program continues processing with the next function statement. If the data set is not partitioned, the program is terminated. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB808I TERMINATED THIS MEMBER. IEBUPDTE WILL TRY NEXT MEMBER

Explanation: A control statement error, a statement sequence error, or an invalid operation has terminated an update operation.

System Action: Processing continues with the next function statement. The return code is 0.

Programmer Response: Correct the control statement error.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB810I DELETE RANGE INVALID

Explanation: In the DELETE statement preceding this message, the SEQ1 or SEQ2 value specified does not match a sequence number in an existing logical record.

System Action: Processing continues with the next function statement. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 26b, 26c, 29.

IEB811I NUMBER RANGE INVALID

Explanation: In the NUMBER statement preceding this message, the SEQ1 value does not match a sequence number in an existing logical record.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 26b, 26c, 29.

IEB812I DIRECTORY WRITE ERROR

Explanation: A permanent input/output error occurred while writing the directory of the SYSUT2 data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Ensure that sufficient space is allocated for the directory on the SYSUT2 DD statement.

Problem Determination: Table I, items 1, 3, 15, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB813I OUTPUT DIRECTORY FULL

Explanation: Insufficient space was allocated for directory entries in the SYSUT2 data set. Therefore, the member was not placed in the data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Re-create the SYSUT2 data set, allocating sufficient space for the additional directory

entries. Then resubmit IEBUPDTE to include the members that were omitted.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB814I DDNAME ddname CANNOT BE OPENED

Explanation: The data set specified on DD statement ddname cannot be opened. Possibly, the LRECL or BLKSIZE for the SYSIN volume is not equal to, or a multiple of, 80.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB815I CANNOT PROCESS MORE THAN ONE PS DATA SET PER PASS

Explanation: A control statement specified the processing of two input sequential data sets in the same job step.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Ensure that there is no disagreement between the JCL and the user control statements. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB816I {MEMBER NAME mem FOUND| MEMBER NAME mem FOUND IN NM DIRECTORY. TTR IS NOW ALTERED}

Explanation: For the first format of the message, the member name mem specified on an ADD statement already exists.

For the second format of the message, the member name mem exists in the new master (NM) directory.

System Action: For the first format of the message, the program is terminated. The return code is 12.

For the second format of the message, an entry (TTR) is altered and processing continues. The return code is 0.

Programmer Response: For the first format of the message, change the member name to be added. For the second format of the message, no action is necessary.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB817I MEMBER NAME mem NOT FOUND IN NM DIRECTORY. STOWED WITH TTR

Explanation: Member name mem does not exist in the directory of the new master (NM) data set.

System Action: An entry (TTR) is made for the member in the directory. Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB818I HIGHEST CONDITION CODE WAS xx

Explanation: Condition code xx was the highest code generated in the job step.

System Action: The program is terminated normally.

Programmer Response: None.

Problem Determination: None.

IEB819I END OF JOB IEBUPDTE

Explanation: IEBUPDTE has completed processing.

System Action: The program is terminated normally.

Programmer Response: None.

Problem Determination: None.

IEB820I CANNOT PROCESS MORE THAN ONE FUNCTION STATEMENT WHEN UPDATE=INPLACE IS SPECIFIED

Explanation: If a function statement specifies UPDATE=INPLACE, it must be the only function statement in the job step.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB821I INVALID EXIT NAME. JOB ENDED

Explanation: The name of a user exit routine specified on a function statement is invalid.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Have the exit routine listings and linkage editor output

available.

IEB822I EXIT RETURN CODE ENDED JOB

Explanation: The return code returned by the user was 16.

System Action: The program is terminated. The return code is 16.

Programmer Response: If a return code of 16 was not expected, check your exit routine, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Have the exit routine listings available.

IEB823I {SYSUT1 | SYSIN} HAS NO RECORDS

Explanation: The SYSUT1 or SYSIN data set, as indicated in the message text, contains no records.

System Action: For the SYSUT1 data set, processing continues with the next member, if any. The return code is 4.

For the SYSIN data set, the program is terminated. The return code is 12.

Programmer Response: Insert data statements for the SYSIN data set, or ensure that the proper SYSUT1 data set is specified.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB825I ALIAS IGNORED - SEQUENTIAL DATA SET

Explanation: An ALIAS statement specified an alias name for an output sequential data set.

System Action: The statement is ignored. The return code is 4.

Programmer Response: Probable user error. Delete the ALIAS statement.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB826I MEMBER NAME FOUND IN OM DIRECTORY AS AN ALIAS - CHANGED TO TRUE NAME IN NM DIRECTORY

Explanation: The member name is an alias name in the old master (OM) directory, and is entered as a member name in the new master (NM) directory.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB827I INVALID INPUT PARAMETER

Explanation: Either the EXEC statement contains an incorrect PARM parameter, or an incorrect parameter was passed to IEBUPDTE.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB828I PAGE NUMBER PARAMETER INVALID

Explanation: An invalid starting page number for the message data set was passed to IEBUPDTE.

System Action: A page number of 1 is assigned to the first page of the printout. The return code is 4.

Programmer Response: Probable user error. If the default of 1 is not acceptable, correct the starting page number.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB829I DDNAME PARAMETER IS INVALID

Explanation: An incorrect DDNAME parameter was passed to IEBUPDTE.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB830I OLD AND NEW MASTER LRECL UNEQUAL

Explanation: The logical record lengths of the old and new master data sets are unequal.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the LRECL subparameter of the DCB parameter on the SYSUT2 DD statement.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB831I OLD AND NEW MASTER DSORGS INCOMPATIBLE

Explanation: The data set organizations implied or specified on the SYSUT1 and/or SYSUT2 DD statements are either:

- Inconsistent with one another.
- Inconsistent with the data set organizations implied or specified on the utility control statements.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. In the first case, ensure that the space allocation specified on the SYSUT1 and/or SYSUT2 DD statements is consistent with the data set organization. Also, ensure that the DSORG subparameter, if included, is correct.

In the second case, ensure that the keywords specified on the utility control statements are consistent with the data set organizations specified or implied on the SYSUT1 and/or SYSUT2 DD statements.

Problem Determination: Table I, items 1, 3, 15, 25b, 29.

IEB832I rtne **IS PROCESSING USER {INPUT | HEADER | OUTPUT | TRAILER } LABELS**

Explanation: User routine rtne is currently processing input or output, header or trailer labels, as indicated in the message text.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB833I xx **ENTRANCES TO** rtne

Explanation: The number of entrances to user routine rtne is xx.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB834I LAST RETURN CODE FROM rtne **WAS** xx

Explanation: Return code xx was the last return code issued by user routine rtne.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB835I {TOTALING | USER LABELS} SUPPORTED ONLY ON PS DATA SETS

Explanation: The user requested totaling exits or user label processing, as indicated in the message text, for a data set whose organization is not physical sequential. These functions are supported only for physical sequential data sets.

System Action: The program is terminated. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB836I TRAILER LABEL PROCESSING NOT SUPPORTED FOR UPDATE=INPLACE

Explanation: The user specified user trailer label exits with an UPDATE=INPLACE operation. User trailer label exits are not supported for UPDATE=INPLACE operations.

System Action: The program is terminated. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB837I I/O ERROR WHILE PROCESSING USER LABEL

Explanation: An uncorrectable input/output error occurred during user label processing. The results of the label processing are unpredictable.

System Action: The program is terminated. The return code is 12.

Programmer Response: Ensure that no DCB parameters for the data set are incorrect or missing.

Problem Determination: Table I, items 1, 3, 15, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEB839I rtne **IS TAKING TOTALING EXITS**

Explanation: User routine rtne is taking totaling exits prior to writing each record.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB840I rtne **REQUESTED TERMINATION OF TOTALING EXITS**

Explanation: A return code other than 4 was passed to IEBUPDTE by the user totaling routine rtne.

System Action: If the return code passed to IEBUPDTE was 0, totaling exits are discontinued, but processing continues. The return code is 0.

If the return code was 8, the program is terminated. The return code is 12.

If the return code was 16, the program is terminated. The return code is 16.

Programmer Response: If termination of the totaling exit routine was not expected, check the exit routine, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Have the exit routine listing available.

IEB841I INVALID RETURN CODE FROM rtne, TOTALING EXITS DISCONTINUED

Explanation: The return code passed to IEBUPDTE by user totaling routine rtne during a totaling exit was not valid. That is, the return code was not 0, 4, 8, or 16.

System Action: Totaling exits are discontinued, but processing continues. The return code is 0.

Programmer Response: Probable user error. Check the user routine to make sure that a valid return code was passed to the utility program. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Have the exit routine listings available.

IEB842I TOTALING EXITS NOT SUPPORTED FOR UPDATE=INPLACE

Explanation: The user specified totaling exits with an UPDATE=INPLACE operation. Totaling exits are not supported for UPDATE=INPLACE operations.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB843I INVALID CORE SIZE

Explanation: The virtual storage specified in the TOTAL keyword either is a non-numeric character, is less than 2 bytes, or is greater than 32K bytes.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEB844I NO USER {HEADER | TRAILER} LABELS EXISTS ON INPUT DATA SET

Explanation: The user specified SUL on the DD statement for the input data set, but there are no header or trailer labels, as indicated in the message text, on the data set.

System Action: Processing continues. The return code is 0.

Programmer Response: None.

Problem Determination: None.

IEB8451 NO USER {HEADER | TRAILER} LABELS CREATED ON OUTPUT DATA SET

Explanation: The user specified SUL on the SYSUT 2 DD statement, but no header or trailer labels, as indicated in the message text, were copied from the SYSUT1 data set, and no labels were generated by a LABEL statement.

System Action: Processing continues. The return code is 0.

Programmer Response: If user labels are desired on the output data set, make sure that the SYSUT1 data set contains user labels, or supply user labels with the LABEL statement. Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Have the associated input data set available.

IEB846I ALIAS IGNORED FOR UPDATE=INPLACE

Explanation: ALIAS statements for partitioned data set members cannot be processed using the UPDATE=INPLACE operation.

System Action: All ALIAS statements are ignored. Processing continues. The return code is 0.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEBTCRIN PROGRAM MESSAGES

IEB901A M ddd, ser, jjj, sss

Explanation: M indicates that an MTDI or MTST cartridge file is to be mounted on device ddd. The volume was required by job jjj, or if applicable, step sss of job jjj. In the message text, ser is the volume serial number provided in the SYSUT1 DD statement. If ser is TCRINP, no serial number was provided, and TCRINP will be used.

System Action: None.

Programmer Response: None.

Operator Response: Mount the requested cartridge(s) on device ddd, and press the START button to ready the device. If the volume cannot be mounted, issue a CANCEL command to terminate the job jjj.

Problem Determination: None.

IEB902I INVLAID NAME FIELD

Explanation: In the control statement preceding this message, the name field contains either more than eight characters or a nonalphabetic character in column 1.

System Action: Diagnosis of the preceding statement is terminated. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB903I INVALID OPERATION

Explanation: In the control statement preceding this message, an operation code other than TCRGEN or EXITS was specified.

System Action: Diagnosis of the preceding statement is terminated. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB904I INVALID KEYWORD

Explanation: In the statement preceding this message, a keyword is incorrect. Possibly, the keyword was misspelled.

System Action: Processing continues with the next keyword. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB905I INVALID PARAMETER VALUE

Explanation: In the statement preceding this message, a parameter value is incorrect. Possibly:

- The MAXLN parameter value contains more than 5 digits.
- The OUTHDR2 user routine name is more than 8 characters.
- The VOKCHK parameter is misspelled as VOKCHECK.
- The REPLACE parameter value is not of the form X'xx', where each x is replaced by hexadecimal characters A-F or 0-9.

System Action: Processing continues with the next keyword. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB906I DUPLICATE OPERATION FIELD

Explanation: The operation field on the control statement preceding this message is the same as the operation field on a control statement previously processed.

System Action: Diagnosis of the preceding statement is terminated. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB907I INCONSISTENT REPLACE PARAMETER

Explanation: In the TCRGEN statement preceding this message, the REPLACE parameter is inconsistent with specified or implied TYPE, TRANS, and/or EDIT options.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB908I CONFLICTING OPTIONS SPECIFIED

Explanation: In the control statement preceding this message, either two or more keyword parameters were specified that should not appear together, or the same keyword parameter was specified more than once.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB909I EXPECTED CONTINUATION NOT RECEIVED

Explanation: The statement preceding this message is not a valid continuation statement:

- The previous statement contains a comma at the end of the operand, indicating continuation of the operand, but data in the preceding statement does not begin in columns 4 through 16.
- The previous statement contains a non-blank character in column 72, indicating continuation of a comment, but data in the preceding statement does not begin after column 3.

System Action: Diagnosis of the preceding statement is terminated. Any additional control statements are scanned for syntax errors, and then the program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB910I NO SYSUT1 DD CARD - JOB TERMINATED

Explanation: No SYSUT1 DD statement was included in the job step.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Operator Response: None.

Problem Determination: Table I, items 3, 15, 29.

IEB911I NO SYSIN DD CARD - ALL DEFAULT OPTIONS ASSUMED

Explanation: No SYSIN DD statement was included in the job step.

System Action: The program is executed using all default options for the SYSIN data set. The return code is 4.

Programmer Response: Probable user error. If the use of all default options is desired, no response is required. Otherwise insert a SYSIN DD statement and any other necessary statements.

Operator Response: None.

IEB912I NO SYSPRINT DD CARD - DUMMY ASSUMED

Explanation: No SYSPRINT DD statement was included in the job step.

System Action: The program is executed as if DUMMY was specified for the SYSPRINT data set. No messages will appear in the SYSPRINT data set. The return code is 4.

Programmer Response: Probable user error. If no output on the SYSPRINT data set is desired, no response is required. Otherwise, insert a SYSPRINT DD statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB913I NO {SYSSUT2 | SYSUT3} DD CARD-DUMMY ASSUMED

Explanation: No SYSUT2 or SYSUT3 DD statement, as indicated in the message text, was included in the job step.

System Action: The program is executed as if DUMMY was specified for the SYSUT2 (or SYSUT3) data set; that is, no data will appear in the SYSUT2 (or SYSUT3) data set. The records that are passed to the user exit are constructed using the default value (VB) of the DCB RECFM parameter. In some cases, however, this may produce some undesirable results. The return code is 4.

Programmer Response: Probable user error. If no output on the SYSUT2 (or SYSUT3) data set is desired, there is no response required. Otherwise, insert a SYSUT2 (or SYSUT3) DD statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB914I DCB SUBPARAMETER(S) MISSING IN ddn DD CARD - DEFAULTS ASSUMED

Explanation: In DD statement ddn, the LRECL BLKSIZE, and/or RECFM subparameters were not specified.

System Action: The program is executed using default options. The return code is 8.

Programmer Response: Probable user error. If the default parameters are acceptable, no response is required. Otherwise, include the missing subparameters on DD statement ddn.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB915I DDNAME ddn CANNOT BE OPENED

Explanation: Because of an undetermined error, the data set specified on DD statement ddn cannot be opened.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 15, 29. If the data set that cannot be opened is on a direct access volume, execute IEHLIST (with the LISTVTOC function) for the volume, and save the output.

IEB916I INCONSISTENT ddn DCB PARAMETERS

Explanation: Two or more DCB parameters for the data set specified on DD statement ddn are inconsistent.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 2, 29.

If the DCB refers to a data set on a direct access volume, execute IEHLIST (with the LISTVTOC function) for the volume, and save the output.

IEB917I LOAD MODULE SPECIFIED FOR prm NOT FOUND

Explanation: Either a user exit routine specified in the prm keyword parameter of the EXITS statement, or a user translate table specified in the prm keyword parameter of the TCRGEN statement could not be located in the job library or linkage library.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Make sure that the control statements contain no keypunch errors. If no keypunch errors are found, verify that the module is present in a linkage library or job library. If the module is present in the job library, ensure that a JOBLIB statement is included, and that it is correct. Resubmit the job step.

Problem Determination: Table I, items 1, 2, 3, 15, 29. Execute IEHLIST (with the LISTVTOC function) for the volume containing the load module and save the output.

IEB918I JOB TERMINATED AFTER prm EXIT

Explanation: A user supplied exit routine specified in the prm parameter requested termination upon return to the utility program.

System Action: The program is terminated. The return code is 16.

Programmer Response: None.

Problem Determination: None.

IEB919I INSUFFICIENT STORAGE AVAILABLE

Explanation: In a GETMAIN macro instruction, more main storage was requested than was available.

System Action: The program is terminated. The return code is 16.

Programmer Response: If additional storage is available, increase the value specified in the REGION parameter of the JOB or EXEC statement. If additional storage is not available, decrease the value specified in the BUFL subparameter of the DCB parameter of the SYSUT1 DD statement.

Problem Determination: Table I, items 1, 3, 13, 29.

IEB920I ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on unit record device ddd. In the message text, the error analysis information provided by the SYNDAF data management macro instruction issued in the SYNAD routine was:

ddd
Unit address of the device

devtyp
Device type

ddn
Data definition name

op
Operation attempted

err
Error description

xxxx
Asterisks

acc
Access method

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable hardware error. Correct the error condition indicated in the message text, if possible. Resubmit the job.

Problem Determination: Table I, items 1, 2, 5a, 30.

IEB921I ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on tape device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued in the SYNAD routine was:

ddd
Unit address of the device

devtyp
Device type

ddn
Data definition name

op
Operation attempted

err
Error description

xxxx
Relative block number

acc
Access method

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, item 29.

IEB922I ddd, devtyp, ddn, op, err, xxxx, acc

Explanation: A permanent input/output error occurred while processing on direct access device ddd. In the message text, the error analysis information provided by the SYNADAF data management macro instruction issued in the SYNAD routine was:

ddd
Unit address of the device

devtyp
Device type

ddn
Data definition name

op
Operation attempted

err
Error description

xxxx
Actual track address and block number

acc
Access method

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, item 29.

Component Name: IEH

Program Producing Message: IEHATLAS, IEHINITT, IEHLIST, IEHMOVE, IEHPROGM.

Audience and Where Produced:

For programmer: SYSPRINT data set

For operator: Console

Message Format:

IEH*nnn*I *text* (in SYSPRINT)

xx IEH*nnns text* (on console)

nnn—Message serial number, which is coded to indicate the utility program:

1*nn*	IEHLIST
2*nn*	IEHPROGM
3*nn* and 4*nn*	IEHMOVE
6*nn*	IEHINITT
9*nn*	IEHATLAS

text—Message text.

xx—Message reply identification (absent, if operator reply not required).

s—Type Code:

A Action; operator must perform a specific action.

D Decision; operator must choose an alternative.

I Information; no operator action is required.

Comments: None.

Problem Determination: Refer to the tables following the Contents for problem determination instructions.

IEHLIST PROGRAM MESSAGES

IEH101I NO CATALOG ON SPECIFIED VOLUME

Explanation: No catalog exists on the volume identified in the LISTCTLG statement.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the correct volume is specified. (If a volume was not specified, the system residence volume is assumed.) If the volume was correct, insert a LISTVTOC statement for the other system volumes to determine where the SYSCTLG data set resides.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH102I THIS VOLUME DOES NOT CONTAIN DATA SET *dsn*

Explanation: Data set *dsn* specified in the LISTVOC or LISTPDS statement is not contained in the specified volume's table of contents.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the data set name and volume are specified correctly. (If a volume was not specified, the system residence volume is assumed.) If the volume and data set name are correct, insert a LISTVTOC statement for the other system volumes to determine where the data set resides.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH103I INVALID CONTROL STATEMENT - *xxx*

Explanation: A utility control statement is invalid. In the message text, *xxx* is the entire invalid statement.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct any improper specifications and/or misspelled keywords. Resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH104I THE PDS ORGANIZATION DOES NOT APPLY FOR DATA SET *dsname*

Explanation: Data set *dsname* specified in the LISTPDS statement is not partitioned.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the data set name specified is correct. If the name is correct, insert a LISTVTOC FORMAT statement specifying the data set name and volume; the true data set information will then be listed.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH105I ILLEGAL NODE POINT SPECIFIED, OR INCONSISTENT CATALOG STRUCTURE FOUND - REQUEST TERMINATED

Explanation: Either the node point identified in the LISTCTLG statement is invalid, or an incorrect catalog structure exists.

System Action: The request is ignored. The return code is 8.

Programmer Response: Ensure that the node point specified in the LISTCTLG statement is correct, or that no inconsistencies occur in the catalog structure.

Problem Determination: Table I, items 1, 2, 3, 7a, 15, 29. Execute Data Facility Data Set Services (dump to printer) for the catalog data set, and save the output.

IEH106I UNAVAILABLE DEVICE TYPE OR VOLUME I.D. SPECIFIED

Explanation: Either the VOL parameter of the control statement is invalid, or the volume specified cannot be mounted.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that a DD statement is included for the volume, the VOL parameter of the control statement is specified correctly, and the volume is mounted.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH107I JOB TERMINATED - I/O ERROR ON SYSIN

Explanation: An input/output error occurred while reading the SYSIN data set; additional input statements cannot be read.

System Action: The program is terminated. The return code is 16.

Programmer Response: Resubmit the job with all the control statements that were not processed on the initial pass.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH108I REQUEST TERMINATED - PERMANENT I/O ERROR WHILE READING DATA SET

Explanation: A permanent input/output error occurred while reading a volume table of contents, a catalog, or a partitioned data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: Resubmit the job.

Problem Determination: Table I, Items 1, 2, 3, 13, 29. Execute the same IEHLIST operation for some option other than the failing one (that is, if using LISTVTOC FORMAT, attempt IEHLIST VTOC DUMP; if using LISTPDS FORMAT, attempt LISTPDS DUMP; if using LISTCTLG, attempt LISTCTLG NODE= for the failing node) and save the output. Execute the program (dump to printer) for the failing data set (VTOC, SYSCTLG, or PDS), and save the output. Execute Data Facility Data Set Services (dump to printer) for the failing data set (VTOC, SYSCTLG, or PDS), and save the output.

IEH109I SYSIN CANNOT BE OPENED - CHECK SYSIN DD CARD

Explanation: Either the SYSIN DD statement was omitted from the job step, or the SYSIN ddname is incorrect.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH110I JOB TERMINATED - INVALID DCB PARAMETER

Explanation: The SYSIN DD statement specified a block size that was not a multiple of the specified logical record length.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the BLKSIZE parameter on the SYSIN DD statement.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH112I MEMBERS OF SPECIFIED PDS NOT CREATED BY LINKAGE EDITOR - DUMP OPTION OUTPUT GENERATED

Explanation: The directory entry is less than 34 bytes, indicating that this member was not created by the Linkage Editor.

System Action: Processing continues as if the DUMP option was specified for this member. The program will attempt to format subsequent member(s) if they exist.

Programmer Response: None.

Problem Determination: Table I, items 1, 2, 3, 7a, 13, 29.

IEH114I THE LAST CVAF CALL ENDED WITH CVSTAT=nnn

Explanation: The return code 4 from a common VTOC access facility (CVAF) macro was unexpected. CVSTAT=nnn refers to the CVAF status code identified by nnn.

System Action: Program execution is terminated. The return code from IEHLIST is 8.

Programmer Response: See CVAF status codes below.

Problem Determination: Table I, items 1, 3, 13, 29.

Following is a list of the CVAF status codes with their meaning:

1 Data set name not found.

2 The argument supplied is outside the VTOC extents or the range of relative byte addresses of the VTOC index.

4 An invalid parameter was supplied.

5 The DSN keyword was omitted.

6 The user is not authorized to perform this function.

7 Buffer list was omitted.

8 The data extent block was invalid or omitted or not open to the VTOC.

9 The user is not authorized to specify IOAREA=KEEP, or an I/O area was supplied, but either it is not authorized or the CVAFVOL macro was specified.

10 The function is not supported on OS VTOC.

11 The DSCB is not format-0 and VERIFY=YES was specified.

12 MAPRCDS=YES and/or IXRCDS=KEEP was specified, but it is an OS VTOC.

13 IXRCDS=KEEP was not specified for CVAFDSM ACCESS=IXADD or IXDLT.

14 The CTAREA keyword was omitted.

15 The UCB is invalid: The volume is not mounted or it is a VIO unit, not DASD.

17 The DSCB length is invalid for the function requested. The valid length is 96 for CVAFDIR ACCESS=WRITE, VERIFY=YES; 140 for CVAFSEQ reading in data set name sequence; or 96 for CVAFSEQ reading in physical sequence.

19 UCB was omitted and the CVAF I/O area was not supplied.

22 The data set name supplied is already in the index.

23 The DSN supplied (44x'FF') is invalid.

24 The ARG keyword was not supplied.

25 Conflicting or incomplete information was specified in the space table for a CVAFDSM ACCESS=ALLOC, MAP=VOLUME request.

27 The VTOC index is full. No free VTOC index records (VIRs) are available and a VTOC index entry record (VIER) split is required.

28 The SPACE keyword was omitted from a CVAF macro.

29 CVAFDSM ACCESS=ALLOC was specified, but no format-0 DSCB is available (MAP=VTOC); or the VTOC index is full (MAP=INDEX); or no volume space is available (MAP=VOLUME).

30 CVAFDSM ACCESS=ALLOC was specified, but CCHHR (MAP=VTOC), or RBA (MAP=INDEX), or volume space extent (MAP=VOLUME) is already allocated.

31 CVAFDSM ACCESS=ALLOC was specified, but the CCHHR supplied is outside the VTOC extents (MAP=VTOC); or the RBA is outside the VTOC index extents (MAP=INDEX); or the volume space extent (MAP=VOLUME) is invalid or outside the volume.

32 End of data. This means:

- For CVAFDSM ACCESS=MAPDATA, there are no more free extents in the volume pack space map (VPSM).
- For CVAFSEQ, there are no more names in the index or DSCBs in the VTOC.
- For indexed access, there is no DSN in the VTOC index with a higher or higher-or-equal key than that supplied.
- For physical sequential access, no DSCB in the VTOC has a higher argument than that supplied.
- For a multiple DSCB request, the last DSCB in the VTOC was read and more DSCBs were requested.

33 The EXTENT keyword was omitted, or the number supplied is 0.

34 CVAFDSM ACCESS=RLSE was specified, but the format-0 DSCB is already free (MAP=VTOC); or the VTOC index

entry record (VIER) is already unallocated (MAP=INDEX); or the volume space extent is already unallocated (MAP=VOLUME).

42 The VRF data to be written is too long.

43 The buffer list supplied is for VTOC index records (VIRs), but a DSCB buffer list is required.

44 No buffer list entry was found.

45 The DSCB buffer length in a buffer list entry is invalid (neither 96 nor 140), or the VIR buffer length is not equal to the VIR size in the VTOC information block.

46 Neither the TTR nor the CCHHR bit is set in a buffer list entry for a 140-byte DSCB CVAFDIR ACCESS=WRITE request.

47 Either the TTR bit, the CCHHR bit, or the RBA bit can be set in the buffer list entry. More than one of these bits has been set.

48 The DSCB and the VIR bits have both been set in the buffer list header.

49 The RBA bit is set in a buffer list entry for a DSCB buffer list.

50 The TTR bit or the CCHHR bit is set in a buffer list entry, but the buffer list header indicates that it is a VIR buffer list.

52 The combination of MAP and COUNT is not supported.

53 MAP was omitted.

54 A VIR buffer list is chained to or from a DSCB buffer list.

55 The caller is unauthorized. The VTOC information block was not initialized.

56 MAPRCDS=YES was not specified, but it is required.

57 The address of a DSCB buffer list was supplied, but the address of a VIR buffer list is required in the MAPRCDS and IXRCDS keywords of a CVAF macro.

58 Neither the VIR bit nor the DSCB bit is set in the buffer list header.

60 The setting of the allocate option byte in the SPACE parameter is invalid or conflicting.

IEH115I DSCB-4 FIELD DS4VTOCI CONTAINS AN INVALID VALUE

Explanation: The DOS and index bits in DS4VTOCI (bits 0 and 7 respectively) should both be on for an indexed VTOC; or both off for a nonindexed VTOC; or only the DOS bit should be on, indicating that format-5 DSCBs do not contain free-space information. IEHLIST found only the index bit on in DS4VTOCI, which is invalid.

The situation can be caused by moving an indexed VTOC volume to a system without indexed VTOC programming support. The DOS bit caused the DADSM Allocate or Extend component to process the volume with the DOS VTOC convert routines, and set the DOS bit to zero.

System Action: Program execution is terminated. The return code from IEHLIST is 8.

Programmer Response: Use the Device Support Facility (DSF) to rebuild the VTOC index data set.

Problem Determination: Table I, items 1, 3, 13, 29.

IEHPROGM PROGRAM MESSAGES

IEH201I INVALID REQUEST. STATEMENT IGNORED

Explanation: In the utility statement preceding this message, the operation is invalid.

System Action: The request is ignored. Processing continues with the next change submitted, if any. The return code is 8.

Programmer Response: Probable user error. Correct the invalid operation on the preceding statement and rerun the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH202I INVALID KEYWORD OR CONTROL STATEMENT SYNTAX

Explanation: In the utility statement preceding this message, the required keyword is incorrect, or the continuation does not start in column 16.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH203I THE SYSCTLG DATA SET IS NOT AVAILABLE OR FORMS A LOOP

Explanation: Either no catalog exists on the volume specified by the CVOL parameter of the control statement, the CVOL is not properly cataloged in the master catalog or the volumes are incorrectly connected to each other.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 25a, 25d, 29.

IEH204I STATUS OF THE REQUESTED TASK CANNOT BE DETERMINED AN UNDEFINED ERROR CODE HAS BEEN ENCOUNTERED

Explanation: The return code returned by a system macro instruction is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Contact your IBM representative for assistance if this message occurs.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH205I INFORMATION IN CONTROL STATEMENT IS {REDUNDANT | NOT SUFFICIENT}

Explanation: In the utility statement preceding this message, either an invalid parameter was specified, or all the required parameters were not specified for the operation requested.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH206I CVOL IS NOT DIRECT-ACCESS

Explanation: In the utility statement preceding this message, the volume specified in the CVOL parameter is not a direct access volume.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the device-type specification in the CVOL parameter of the preceding statement and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH207I STATUS OF USERS REQUEST TO {SCRATCH | RENAME } DATA SET dsn VOLUME ID ACTION TAKEN REASON ser xxx yyy END OF LISTING OF DATA SETS TO BE SCRATCHED OR RENAMED

Explanation: An unusual condition occurred during a SCRATCH or RENAME operation. In the message text, the third line appears for each volume on which the data set resides. dsn is the data set name, ser is the serial number of the volume, xxxx is the action taken on the volume, and yyyy is the condition.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the data set name is specified correctly on the control statement.

Problem Determination: Table I, items 1, 3, 15, 25a, 29.

IEH208I LIST TRUNCATED TO 1 VOLUME FOR SCRATCH VTOC

Explanation: In the SCRATCH VTOC statement preceding this message, more than one volume was specified.

System Action: Only the data sets on the first volume specified are scratched; the remaining are ignored. The return code is 8.

Programmer Response: Probable user error. Insert a SCRATCH VTOC statement for each volume that was not processed and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH209I STATUS OF USERS REQUEST TO SCRATCH THE VOLUME TABLE OF CONTENTS DATA SET NAME dsn ACTION TAKEN xxxx REASON yyyy END OF SCRATCH VTOC

Explanation: Either an unusual condition occurred during a scratch VTOC operation, or a data set was successfully scratched. In the message text, dsn is the data set name, xxxx is the action taken on the data set, and yyyy is the condition.

System Action: Processing continues.

Programmer Response: None.

Problem Determination: Table I, items 1, 3, 15, 25a, 29.

IEH210I REQUEST CANNOT BE SERVICED

Explanation: An unusual condition occurred during a catalog or index operation. Following this message is a

more specific message describing the error condition in detail.

System Action: The request is ignored. The return code is 0 when there is an attempt to uncatalog a data set that is not cataloged; in all other cases, the return code is 8.

Programmer Response: Probable user error. Respond as indicated to the message that follows this message.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH211I REQUIRED VOLUME COULD NOT BE MOUNTED

Explanation: One of the following occurred:

- No device was allocated for the required volume; that is, the serial number of the required volume was not found in the unit control block, and no other volume allocated to the job could be unloaded to allow the mounting of the required volume.
- A device type was specified which is either nonexistent or not included for the system during system generation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the volume serial number specified on the DD statement is the same as the volume serial number specified on the control statement.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH212I I/O ERROR ON SYSIN DATA SET - JOB TERMINATED

Explanation: An uncorrectable input/output error occurred while the SYSIN data set was being read.

System Action: The program is terminated. The return code is 8.

Programmer Response: Resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH213I JOB TERMINATED - INVALID BLOCKSIZE SPECIFIED IN SYSIN DCB

Explanation: In the SYSIN DD statement preceding this message, the block size specified is not a multiple of the logical record length (that is, it is not a multiple of 80).

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH214I CONTINUATION CARD EXPECTED - REQUESTS CANNOT BE SERVICED.

Explanation: The statement preceding this message is not a valid continuation statement; that is, the previous statement contains a non-blank character in column 72, indicating that a continuation statement is to follow.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH215I SYNTAX ERROR ENCOUNTERED IN NAME FIELD OF CONTROL STATEMENT - PROCESSING IS CONTINUED

Explanation: In the statement preceding this message, the name field contains one of the following errors:

- The first character is not alphabetic.
- A character was encountered that is not alphameric or national.
- The name field is longer than 8 characters.

System Action: Processing continues. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH216I SYSIN CANNOT BE OPENED - CHECK SYSIN DD CARD

Explanation: Either the SYSIN DD statement was inadvertently omitted from the job step, or it was included, but the ddname was coded incorrectly.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH217I ERROR ENCOUNTERED IN A NAME, INDEX, ALIAS, OR MEMBER FIELD OF THE CONTROL STATEMENT ... REQUEST IGNORED

Explanation: Either a nonalphabetic character was found as the first character of a name, alias, or index level; an index level or member name has a length greater than eight characters; or a nonalphameric character was used in the name, index, alias, or member.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 3, 15, 29.

IEH218I JOB TERMINATED. SIX INVALID PASSWORDS WERE SUPPLIED

Explanation: A maximum of five invalid passwords are allowed for each job step.

System Action: The program is terminated. The return code is 16.

Programmer Response: Probable user error. Resubmit the request not satisfied and supply valid passwords.

Problem Determination: Table I, items 1, 3, 15, 29. If attempting to add, replace, or delete entries in the PASSWORD data set, use the LIST utility statement to list the entries associated with the invalid passwords.

IEH219I I/O ERROR IN THE PASSWORD DATA SET

Explanation: An uncorrectable input/output error occurred while reading or writing the PASSWORD data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: See Problem Determination below.

Operator Response: None.

Problem Determination: Table I, items 1, 3, 15, 29. Execute IEHLIST program to list the VTOC of the system residence volume. Use the DUMP mode and set DSNAME=PASSWORD. Have the resulting listing available for review by your systems programmer or an IBM representative.

IEH220A jobname, stepname, 'utility statement' **REPLY WITH 'PASWORD1' 'PASWORD2' 'CPASWORD'**

Explanation: The specified password on the utility statement is invalid or missing and must be supplied by the operator.

System Action: The program enters the wait state until the operator responds.

Programmer Response: Provide operator with correct password.

Operator Response: Enter REPLY xx, 'password', where password is the password supplied by the programmer for the job, step, and utility statement names in the message. The password can consist of up to eight characters. If no password was supplied, enter blanks for the password or simply two single quotes, as follows: REPLY xx,''

Problem Determination: Table I, items 1, 3, 15, 29. If attempting to add, replace, or delete entries in the PASSWORD data set, use the LIST utility statement to list the entries associated with the invalid passwords.

IEH221I THE PASSWORD DATA SET IS FULL

Explanation: Either the PASSWORD data set is too small to hold all necessary entries, or it contains unused entries.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Either re-create the PASSWORD data set with larger extent, or delete the unused entries.

Problem Determination: Table I, items 1, 3, 15, 29. Execute IEHLIST to list the VTOC of the system residence volume. Use the DUMP mode and set DSNAME=PASSWORD. Have the resulting listing available.

IEH222I UNABLE TO ALTER PROTECTION STATUS OF DATA SET

Explanation: The volume on which the specified data set resides cannot be accessed. The volume is not online, volume information on the utility control statement is invalid or missing, the data set was allocated in this job the specified data set is in use by another job or the data set is not supported (as a VSAM data set).

System Action: The PASSWORD data set is updated, but the protection status of the data set in the data set control block (DSCB) is not altered. The return code is 8.

Programmer Response: Probable user error. Action is required only if the protection status in the DSCB is

incorrect.

If protection is being added and the protection status of the data set was not specified when the data set was created, or if the protection status of a data set is being changed between read/write protection and read-without-password protection:

1. Provide a data definition statement that defines the mountable volume on which the data set resides.

2. Change the protection status in the DSCB, using a REPLACE utility statement for the entry just added or changed in the PASSWORD data set. Supply the new protection status, and make sure the volume information is correct.

If protection is being deleted and the data set has not been scratched:

1. Provide a data definition statement that defines the mountable volume on which the data set resides.

2. Add the entry just deleted to the PASSWORD data set using an ADD utility statement.

3. Scratch the data set if desired.

4. Delete the entry again from the PASSWORD data set using a DELETEP utility statement.

Operator Response: None.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH223I THE PASSWORD DATA SET DOES NOT EXIST

Explanation: The PASSWORD data set must reside on the system residence volume before using IEHPROGM to add, delete, or replace entries.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Allocate a PASSWORD data set, and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29. Execute IEHLIST to list the VTOC (FORMAT mode) of the system residence volume. Have the resulting listing available.

IEH224I WARNING UNABLE TO ALTER PROTECTION STATUS OF TAPE DATA SETS

Explanation: IEHPROGM cannot modify the label of a tape data set.

System Action: The PASSWORD data set is updated, but the protection status of the data set in the tape label is not altered. The return code is 8.

Programmer Response: Action is required only if the protection status in the tape label is incorrect. If protection is being added, use job control language (LABEL parameter) to set the desired protection status in the tape label when rewriting the data set. If protection is being deleted, use IEHINITT to relabel the tape and delete protection.

Problem Determination: Table I, items 1, 3, 29.

IEH225I DUPLICATE ENTRY EXISTS IN THE PASSWORD DATA SET

Explanation: The password to be assigned has already been assigned to this data set.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Either select a new password, or delete the previously assigned password, before attempting to assign the same password.

Problem Determination: Table I, items 1, 3, 15, 29. Use the LIST utility statement to list the entry in the PASSWORD data set associated with this password and data set name.

IEH226I LOCATE MACRO FAILED. LOCATE RETURN CODE= xx.

Explanation: An error occurred during execution of the LOCATE macro issued to search the catalog for a data set name. The return code from the LOCATE macro is xx.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. (To interpret the return code, refer to the publication System Programming Library: Data Management. Correct any errors and resubmit the ignored request.

Problem Determination: Table I, items 1, 3, 15, 25d, 29.

IEH227I OBTAIN MACRO FAILED. OBTAIN RETURN CODE= xx

Explanation: An error occurred during execution of the OBTAIN macro issued to search the VTOC for a DSCB. The return code from the OBTAIN macro is xx.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. (To interpret the return code, refer to System Programming Library: Data Management. Correct any errors and resubmit the ignored request.

Problem Determination: Table I, items 1, 3, 15, 25b, 29.

IEH228I INVALID {CPASWORD | PASWORD1 | PASWORD2} SPECIFIED

Explanation: More than two invalid passwords have been supplied for the specified password in the utility statement preceding this message or PASWORD1 was invalidly specified in the utility control statement.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Resubmit the ignored request and supply a valid password.

Problem Determination: Table I, items 1, 2, 3, 15, 29. If attempting to add, delete, or replace an entry in the PASSWORD data set, use the LIST utility statement to list the entry in the PASSWORD data set.

IEH229I INVALID PARAMETER IN PARM FIELD OF EXEC CARD

Explanation: An invalid parameter was found either in the PARM field of the EXEC statement or in the PARAM field of the LINK or ATTACH macro.

System Action: Default values are assigned to the invalid parameters. Processing continues. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 29.

IEH230I VTOC NOT CONVERTED FROM DOS TO OS DATA SET NOT CATALOGED OR INDEX NOT BUILT ... UNUSUAL END

Explanation: The VTOC cannot be converted to OS format because one of the following conditions exists in the VTOC structure:

- A split cylinder extent resides on cylinder zero.
- A split cylinder extent resides on the same cylinder as the VTOC.
- A split cylinder extent resides on the same cylinder as a non-split cylinder extent.
- The VTOC contains overlapping data sets.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the VTOC structure and resubmit the job.

Problem Determination: Table I, items 1, 3, 15, 25c, 29.

IEHMOVE PROGRAM MESSAGES

IEH301I INCLUDE OP NOT VALID

Explanation: The INCLUDE statement preceding this message is not valid with the specified MOVE or COPY operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25b, 25c, 29.

IEH302I EXCLUDE OP NOT VALID

Explanation: The EXCLUDE statement preceding this message is not valid with the specified MOVE or COPY operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25b, 25c, 29.

IEH303I REPLACE OP NOT VALID

Explanation: The REPLACE statement preceding this message is not valid with the specified MOVE or COPY operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25b, 25c, 29.

IEH304I SUBORDINATE REQ-SKIPPED

Explanation: One of the following conditions occurred:

- The INCLUDE, EXCLUDE, REPLACE, or SELECT statement preceding this message is not preceded by a MOVE or COPY statement.

- The MOVE/COPY request is being ignored for the reason given in the preceding message.
- The data set is being loaded for the reason given in the preceding message.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH305I MULTIPLE KEYWORD ERROR

Explanation: In the statement preceding this message, duplicate or conflicting keywords are specified.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH306I MISPLACED KEYWORD ERROR

Explanation: A MOVE/COPY control statement contains a misplaced keyword.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH307I KEYWORD NOT PERMITTED

Explanation: In the statement preceding this message, a keyword is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH308I INVALID PARAMETER ERROR

Explanation: In the statement preceding this message, a parameter is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH309I SYNTAX ERROR

Explanation: The syntax of the statement preceding this message is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH310I LENGTH ERROR

Explanation: In the statement preceding this message, a keyword value contains too many characters (for example, DSNAME=NINECHARS contains more than eight characters), or the EXPAND keyword does not specify a number in the decimal range 1-99.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH311I INCOMPLETE REQUEST

Explanation: The statement preceding this message does not contain adequate information to perform the MOVE/COPY operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH313I DATA SET dsn HAS AN INCORRECT FORMAT FOR UNLOADED DATA SET

Explanation: The format of unloaded data set dsn is incorrect; therefore, the data set cannot be moved or copied. The records are apparently out of sequence.

System Action: The request is ignored. The return code is 8.

Programmer Response: Make sure that the correct tape or direct-access device is mounted, and that the data has not been altered.

Problem Determination: Table I, items 1, 13, 22, 26b, 29. Have the unloaded data set available.

IEH315I UNABLE TO FIND FROM VOLUME

Explanation: The 'FROM' volume cannot be located. Possibly, the FROM keyword was missing from the MOVE or COPY statement, or the CVOL keyword was specified, but the data set was not cataloged.

System Action: The request is ignored. The return code is 8.

Programmer Response: If the data set is not cataloged, ensure that the FROM keyword is included on the MOVE or COPY statement. Also, make sure that a DD statement for the 'FROM' device exists and is compatible with the utility control information.

Problem Determination: Table I, items 1, 13, 22, 25d, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH316I MODEL DSCB FOR GENERATION DATA GROUP CANNOT BE WRITTEN

Explanation: An error (possibly, a permanent input/output error) occurred during an attempt to create the model data set control block (DSCB) for a generation data group, or there was no unused DSCB available in the VTOC.

System Action: The request is ignored. The return code is 8.

Programmer Response: None.

Problem Determination: Table I, items 1, 13, 22, 25b, 29. Table II, Format I: trace option—TRACE=SIO, IO.

IEH319I MEMBER mem NOT MOVED/COPIED. DUPLICATE NAME IN OUTPUT DATA SET

Explanation: A member with the same name as member mem is contained in the output partitioned data set; therefore, the member is not moved or copied.

System Action: The request is ignored. The return code is 4.

Programmer Response: None.

Problem Determination: Table I, items 1, 13, 22, 25c, 29.

IEH320I MEMBER mem NOT FOUND IN DATA SET dsname

Explanation: Member mem cannot be located in the partitioned data set dsname. Perhaps the data set name or member name was incorrectly specified.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25c, 29.

IEH321I MEMBER mem NOT MOVED/COPIED. OUTPUT DIRECTORY IS FULL

Explanation: The directory of the output partitioned data set is full; therefore, member mem cannot be moved or copied.

System Action: The request is ignored. The return code is 8.

Programmer Response: Increase the size of the directory, and selectively MOVE or COPY the member.

Problem Determination: Table I, items 1, 13, 22, 25c, 29.

IEH322I I/O ERROR ENCOUNTERED IN MEMBER mem OF INPUT DATA SET dsname

Explanation: A permanent input/output error occurred while reading member mem of input data set dsname.

System Action: The request is ignored. The return code is 8.

Programmer Response: Ensure that the input data set is valid.

Problem Determination: Table I, items 1, 11, 22, 25b, 25c, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the failing data set available.

IEH323I I/O ERROR ENCOUNTERED IN MEMBER mem OF OUTPUT DATA SET dsname

Explanation: A permanent input/output error occurred while writing member mem of data set dsname.

System Action: The request is ignored. The return code is 8.

Programmer Response: Retry the operation. If the operation fails a second time with this same error message, in all probability the failure is due to a hardware error. Ensure the quality of the hardware medium on which the dataset resides. Resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH325I INVALID CATLG REQUEST IGNORED

Explanation: In the statement preceding this message, the specified receiving volume is not a direct access device.

System Action: The moved or copied data set is not cataloged on the specific volume. The return code is 8.

Programmer Response: Probable user error. Correct the preceding statement so that the receiving volume is direct access or delete the CATLG keyword.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH326I I/O ERROR ENCOUNTERED IN OUTPUT DATA SET dsname

Explanation: A permanent input/output error occurred while writing data set dsname.

System Action: The request is ignored. The return code is 8.

Programmer Response: Retry the operation. If the operation fails a second time with this same error message, in all probability the failure is due to a hardware error. Ensure the quality of the hardware medium on which the dataset resides. Resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH327I A TTRN IN THE USER DATA FIELD OF THE DIRECTORY HAS NOT BEEN UPDATED

Explanation: A TTRN was not updated for the member named in the following message. A TTR in the source directory points to a record that is not in the member being copied.

System Action: The member is copied.

- If copying from direct access to direct access, the invalid TTR will be the same in the receiving directory as it was in the source directory.
- If loading, the invalid TTR is zero in the receiving directory.

The program then attempts to copy the next member.

Programmer Response: Correct the invalid TTR. This may require that the proper TTR be placed in both the source and receiving directories, or that the source member be re-created and recopied. Check for an end-of-file record embedded within the source member.

Problem Determination: Table I, items 1, 13, 22, 29. Submit IEHLIST for both the source and receiving data sets with the LISTPDS option specified. Submit IEHLIST for both the source and receiving data sets with the LISTVTOC option specified (DUMP format). Submit Data Facility Data Set Services to dump the source data set to SYSPRINT or to tape.

IEH328I A TTR IN THE NOTELIST RECORD HAS NOT BEEN UPDATED

Explanation: A TTR in the notelist record for the member named in the following message was not updated. The TTR is either pointing to a record that is not within this member or to a record within the member that is after the notelist record.

System Action: The member is copied. However, the invalid TTR will be the same in the receiving notelist as it was in the source notelist. The program then attempts to copy the next member.

Programmer Response: Correct the invalid TTR. This may require that the correct TTR be placed in both the source and receiving notelists, or that the source be re-created and recopied.

Problem Determination: Table I, items 1, 13, 22, 29. Submit IEHLIST for both the source and receiving data sets with the LISTPDS option specified. Submit IEHLIST for both the source and receiving data sets with the LISTVTOC option specified (DUMP format). Submit Data Facility Data Set Services to dump the source data set to SYSPRINT or to tape.

IEH329I A TTR IN A NOTELIST CANNOT BE UPDATED

Explanation: The TTR does not point to any record contained in the copied member that precedes the notelist or that follows a previous notelist (if any).

System Action: The member is unloaded, but the TTR will not be updated during a reload. The program then attempts to unload the next member.

Programmer Response: Correct the invalid TTR in the source notelist and unload the data set again.

Problem Determination: Table I, items 1, 13, 22, 29. Use Data Facility Data Set Services to dump the source data set to SYSPRINT.

IEH331I USER LABELS ARE NOT MOVED/COPIED. NO USER LABEL TRACK ALLOCATED FOR INPUT

Explanation: A previously allocated data set did not provide a user label track.

System Action: User labels are ignored. Normal MOVE/COPY processing continues.

Programmer Response: For the COPY operation, if user label information is desired, scratch the data set on the

receiving volume and preallocate the data set correctly. For the MOVE operation, if user label information is desired, rebuild the user labels.

Problem Determination: Table I, items 1, 3, 4, 22, 25b, 29.

IEH332I PERMANENT I/O ERROR WHILE READING USER INPUT HEADER LABELS. NO MORE LABELS WILL BE PROCESSED

Explanation: The open routine encountered a permanent input/output error while attempting to read user input header labels.

System Action: IEHMOVE returns to the user, points to the label in error, ignores the return code, and terminates the operation.

Programmer Response: If user label information is desired, rebuild the user labels.

Problem Determination: Table I, item 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the data set with the failing labels available.

IEH333I PERMANENT I/O ERROR WHILE READING USER INPUT TRAILER LABELS. NO MORE LABELS WILL BE PROCESSED

Explanation: The end-of-volume routine encountered a permanent input/output error while attempting to read user input trailer labels.

System Action: IEHMOVE returns to the user, points to the label in error, ignores the return code, and terminates the operation.

Programmer Response: If user label information is desired, rebuild the user labels.

Problem Determination: Table I, item 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the data set with the failing labels available.

IEH334I PERMANENT I/O ERROR WHILE WRITING USER OUTPUT HEADER LABELS. NO MORE LABELS WILL BE PROCESSED

Explanation: The open routine encountered a permanent input/output error while attempting to write user output header labels.

System Action: IEHMOVE returns to the user, points to the label in error, ignores the return code, and terminates the operation.

Programmer Response: If user label information is desired, rebuild the user labels.

Problem Determination: Table I, item 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the data set with the failing labels available.

IEH335I PERMANENT I/O ERROR WHILE WRITING USER OUTPUT TRAILER LABELS. NO MORE LABELS WILL BE PROCESSED

Explanation: The close routine encountered a permanent input/output error while attempting to write user output trailer labels.

System Action: IEHMOVE returns to the user, points to the label in error, ignores the return code, and terminates the operation.

Programmer Response: If user label information is desired, rebuild the user labels.

Problem Determination: Table I, item 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the data set with the failing labels available.

IEH336I AN UNCORRECTABLE ERROR OCCURRED WHILE READING DATA SET dsname

Explanation: The data event control block (DECB) for input data set dsname indicated that an error, other than an input/output error or record length check, occurred for the record just read.

System Action: The function is terminated. The return code is 8.

Programmer Response: Ensure that the input data set is specified correctly.

Problem Determination: Table I, items 1, 22, 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the failing data set available.

IEH339I I/O ERROR ENCOUNTERED IN INPUT DATA SET

Explanation: A permanent input/output error occurred while reading the input data set.

System Action: The request is ignored. The return code is 8.

Programmer Response: Ensure that the input data set is valid.

Problem Determination: Table I, items 1, 22, 29. Have the failing data set available.

IEH346I CATALOG CANNOT BE LOCATED, OR CONTROL VOLUMES ARE CONNECTED TO EACH OTHER

Explanation: In the statement preceding this message, no catalog exists on the specified control volume, or the control volumes are connected to each other incorrectly.

System Action: The request is ignored. The return code is 8.

Programmer Response: Make sure that there is a catalog on the specified volume, and that the control volumes are correctly connected to each other.

Problem Determination: Table I, items 1, 13, 22, 25d, 29.

IEH348I NO DATA SETS FOUND FOR DSGROUP SPECIFIED

Explanation: No data sets with the DSGROUP name given were located in the catalog.

System Action: The request is ignored. The return code is 4.

Programmer Response: Catalog the data sets by executing the Access Method Services utility.

Problem Determination: None.

IEH349I UNABLE TO MOUNT VOLUME ser xxxx

Explanation: No device was allocated for the volume whose serial number is ser. In the message text, xxxx is the action taken.

System Action: The request is ignored. The return code is 8.

Programmer Response: Ensure that a DD statement for the device exists, and that it is consistent with the utility control statements.

Problem Determination: Table I, items 1, 2, 13, 22, 29.

IEH351I DATA SET dsname NOT CATALOGED. SPACE NOT AVAILABLE IN THE CATALOG

Explanation: The catalog is full; therefore, data set dsname cannot be cataloged.

System Action: The data set is not cataloged. The return code is 8.

Programmer Response: Increase the size of the catalog and catalog the data set.

Problem Determination: Table I, items 1, 13, 22, 29. Execute Data Facility Data Set Services to obtain a printed copy of the catalog, and save the output.

IEH351I SUFFICIENT SPACE NOT AVAILABLE FOR ALL DATA SETS IN DSGROUP

Explanation: The space needed to contain the entries for all the data sets in the DSGROUP could not be obtained.

System Action: The request is ignored. The return code is 4.

Programmer Response: Specify a more exclusive DSGROUP name.

Problem Determination: None.

IEH354I DATA SET dsname NOT CATALOGED. INDEX STRUCTURE INCONSISTENT.

Explanation: Either the index structure is invalid, or the catalog already has an entry for data set dsname. Therefore, the data set cannot be cataloged.

System Action: The data set is not cataloged. The return code is 4.

Programmer Response: If the data set is not already cataloged, catalog it.

Problem Determination: Table I, items 1, 13, 22, 25d, 29.

IEH354I DSGROUP CATALOG SEARCH FAILED. RETURN CODE xx

Explanation: An error occurred during execution of the VSAM CATLG macro for generic locate. The return code for VSAM catalog management is xx.

System Action: The request is ignored. Return code is 4.

Programmer Response: Probable user error. To interpret the return code, refer to the explanation of message IDC3009 in MVS/Extended Architecture Message Library: System Messages. Correct any errors and resubmit the request.

Problem Determination: Table I, items 1, 3, 15, 25d, 29.

IEH356I DATA SET dsname CATALOG SEARCH FAILED. RETURN CODE xx

Explanation: An error occurred during execution of the VSAM CATLG macro for locate. The return code from VSAM catalog management is xx.

System Action: The data set is not moved/copied. Processing continues with the next data set in the DSGROUP. Return code is 4.

Problem Determination: Table I, items 1, 3, 15, 25d, 29.

IEH357I DATA SET AMASTCAT NOT CATALOGED. AMASTCAT NOT ALLOWED

Explanation: No VSAM catalog should be named AMASTCAT; therefore, AMASTCAT cannot be cataloged.

System Action: AMASTCAT is not cataloged. The return code is 4.

Programmer Response: Rename the VSAM catalog and catalog the new name.

IEH358I DATA SET dsn NOT CATALOGED. INVALID RETURN CODE FROM CATALOG

Explanation: An invalid condition code was returned from catalog; therefore, the data set name, dsn, cannot be cataloged.

System Action: The data set is not cataloged. The return code is 4.

Programmer Response: Catalog the data set, if it is not already cataloged.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH361I DATA SET dsname NOT MOVED/COPIED TO VOLUME(S)

Explanation: An abnormal condition (such as an input/output error) occurred. Therefore, data set dsname could not be moved or copied.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Ensure that the input data set is valid.

Problem Determination: Table I, items 1, 13, 22, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH362I DATA SET dsname NOT MOVED/COPIED TO VOLUME(S)

Explanation: An abnormal condition (such as an input/output error) occurred; therefore, data set dsname could not be scratched.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Scratch the data set.

Problem Determination: Table I, items 1, 13, 22, 25a, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH363I DATA SET JUST COPIED WAS NOT SUCCESSFULLY UNCATALOGED

Explanation: A permanent input/output error occurred during the uncatalog operation; therefore, the data set was copied but not uncataloged.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Uncatalog the data set.

Problem Determination: Table I, items 1, 13, 22, 25d, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH364I THE DATA SET JUST COPIED WAS NOT SUCCESSFULLY CATALOGED

Explanation: The data set was copied but not cataloged on the "TO" volume for one of the following reasons:

- A catalog data set being sought by the IEBCOPY utility does not exist on the specified volume.
- The existing index structure does not permit the cataloging of the data set.
- No space is available in the catalog.
- A permanent input/output error occurred during the catalog operation.
- The data set is already cataloged on the receiving volume.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25d, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH365I DATA SET dsname MAY STILL EXIST ON VOLUME(S)

Explanation: An unusual condition (such as a permanent input/output error) occurred during the scratch operation; therefore, data set dsname was moved but not scratched from the source volume(s).

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Scratch the data set, if required.

Problem Determination: Table I, items 1, 13, 22, 25a, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH366I THE DATA SET JUST MOVED MAY EXIST WITH AN INTERNALLY GENERATED NAME ON VOLUME(S)

Explanation: An unusual condition (such as a permanent input/output error) occurred; therefore, a specified rename operation was not successful. An internally generated name may have been assigned to the moved data set.

System Action: Processing continues with the next function to be performed. The return code is 8.

Programmer Response: Use the AMASPZAP service aid to change the dsname field of the format-1 DSCB from **TEMP... to the required name.

Problem Determination: Table I, items 1, 13, 22, 25b, 29. Table II, Format I: trace option-TRACE=SIO, IO.

IEH367I THE DATA SET JUST MOVED WAS NOT SUCCESSFULLY UNCATALOGED

Explanation: A permanent input/output error occurred during the uncatalog operation; therefore, the data set was moved but not uncataloged.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Uncatalog the data set.

Problem Determination: Table I, items 1, 13, 22, 25d, 29. Table II, Format 1: trace option-TRACE=SIO, IO.

IEH368I THE DATA SET JUST MOVED WAS NOT SUCCESSFULLY RECATALOGED

Explanation: Either an input/output error occurred during the catalog operation, or the existing index structure in the catalog does not permit the cataloging of the data set. Therefore, the data set was moved, but the catalog was not updated.

System Action: Processing continues with the next function to be performed. The return code is 4.

Programmer Response: Recatalog the data set.

Problem Determination: Table I, items 1, 13, 22, 25d, 29. Table II, Format 1: Trace option-TRACE=SIO, IO.

IEH372I I/O ERROR ENCOUNTERED IN WORK DATA SET

Explanation: A permanent input/output error occurred while reading or writing the work data set. Possibly, secondary space was specified in the SYSUT1 DD statement.

System Action: The MOVE/COPY request is ignored. The return code is 12.

Programmer Response: Check the SYSUT1 DD statement. Leave out any space specification. Use the POWER parameter if necessary.

Problem Determination: Table I, items 1, 13, 22, 29. Table II, Format 1: trace option-TRACE=SIO, IO.

IEH373I UNABLE TO MOUNT VOLUME ser. SOME INCLUDE OR REPLACE REQUESTS IGNORED

Explanation: The volume whose serial number is ser cannot be mounted.

System Action: The INCLUDE and REPLACE requests referring to the specified volume are ignored. The return code is 8.

Programmer Response: Ensure that a DD statement for the volume exists.

Problem Determination: Table I, items 1, 2, 13, 22, 29.

IEH374I DATA SET dsname NOT FOUND ON VOLUME ser. INCLUDE OR REPLACE REQUEST IGNORED

Explanation: Data set dsname does not reside on the volume whose serial number is ser.

System Action: The INCLUDE or REPLACE statements that refer to data set dsname are ignored. The return code is 8.

Programmer Response: Probable user error. Ensure that the DD statement for the indicated volume is correct.

Problem Determination: Table I, items 1, 13, 22, 25a, 29.

IEH375I DATA SET dsname IS NOT PARTITIONED. INCLUDE OR REPLACE REQUEST IGNORED

Explanation: Data set dsname is not partitioned.

System Action: The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

Programmer Response: Ensure that the data set is valid.

Problem Determination: Table I, items 1, 13, 22, 25b, 25c, 29.

IEH376I RECORD CHARACTERISTICS NOT COMPATIBLE xxxx. INCLUDE OR REPLACE REQUEST IGNORED

Explanation: Attribute xxxx of the output data set is not compatible with that of the input data set.

System Action: The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

Programmer Response: Ensure that the record characteristics of the input and output data sets are compatible.

Problem Determination: Table I, items 25b, 25c, 29.

IEH377I DATA SET dsname REQUIRES TRACK OVERFLOW FEATURE. INCL/REPL REQUEST IGNORED

Explanation: The data set dsname was originally written with track overflow. The source device does not support the track overflow feature.

System Action: The INCLUDE or REPLACE request for this data set is ignored. The program continues. The return code is 8.

Programmer Response: Change the JCL to specify a device that supports track overflow.

Problem Determination: Tape I, items 1, 4, 25b, 29.

IEH380I MEMBER mem NOT FOUND IN DATA SET dsname. INCLUDE OR REPLACE REQUESTS IGNORED

Explanation: Member mem is not contained in partitioned data set dsname.

System Action: The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

Programmer Response: Ensure that the control statements are correct.

Problem Determination: Table I, items 1, 13, 22, 25c, 29.

IEH381I ERROR ENCOUNTERED IN SCRATCHING WORK FILES

Explanation: Either a work file could not be located, or an input/output error occurred during the scratch operation. Therefore, the work file(s) could not be scratched.

System Action: The MOVE/COPY request is ignored. The return code is 12.

Programmer Response: Ensure that a SYSUT1 DD statement exists and specifies a sufficient amount of space. If the POWER= n parameter is used, ensure that the space is equivalent to 80xn tracks.

Problem Determination: Table I, items 1, 13, 22, 25a, 25b, 29. Table II, Format 1: trace option-TRACE=SIO, IO.

IEH383I INVALID DEVICE NAME

Explanation: In the statement preceding this message, a device name is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH384I GENERIC DEVICE NAME ERR

Explanation: In the statement preceding this message, a device name is invalid.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH385I SELECT OP NOT VALID

Explanation: The SELECT statement preceding this message is not valid with the specified MOVE or COPY operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH388I UNABLE TO ALLOCATE IEHMOVE WORK FILES

Explanation: IEHMOVE was unable to allocate space for the work files. Either no SYSUT1 DD statement was included with the job step, or there was insufficient space on the direct access volume assigned to the SYSUT1 DD statement.

System Action: The program is terminated. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25a, 29.

IEH389I I/O ERROR ENCOUNTERED IN INPUT DATA SET

Explanation: A permanent input/output error occurred while reading the input data set.

System Action: The request is ignored. The return code is 8.

Programmer Response: Ensure that the input data set is specified correctly.

Problem Determination: Table I, items 1, 13, 22, 25b 29. Table II, Format 1: trace option—TRACE=SIO, IO. Have the input data set available.

IEH390I INVALID DATA SET NAME SPECIFIED IN RENAME-PARAMETER

Explanation: A dsname containing invalid characters or a subname exceeding eight characters is specified in the RENAME parameter.

System Action: Processing continues with the next function to be performed, if any. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH401I through IEH432I DATA SET dsname {UNLOADED | NOT MOVED/COPIED} xxxx

Explanation: Data set dsname was unloaded or was not moved or copied for the reason indicated by xxxx.

System Action: The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH433I DATA SET NOT MOVED/COPIED BECAUSE INCLUDE, EXCLUDE, SELECT, OR REPLACE REQUEST WHILE LOADING/UNLOADING

Explanation: INCLUDE, EXCLUDE, SELECT, or REPLACE requests cannot be processed while loading or unloading a data set.

System Action: The MOVE/COPY request is ignored. The return code is 4.

Programmer Response: Either correct the cause of the UNLOAD indicated by message IEH405I, or remove the INCLUDE, EXCLUDE, SELECT, or REPLACE requests following the IEHMOVE control statement.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH435I ERROR ENCOUNTERED WHILE ANALYZING THE SYSCTLG DATA SET

Explanation: One of the following conditions has occurred:

- An input/output error occurred while the system was reading the SYSCTLG data set.
- An invalid name was specified either as the name of an INCLUDE or EXCLUDE statement or as a value in the DSGROUP= or CATALOG= parameter. A name is invalid if it does not exist in the specified catalog, or if it contains syntax errors.
- An error occurred while the system was trying to obtain a model DSCB for a generation data group.
- A structural error exists in the catalog.

System Action: The request is ignored. The return code is 8.

Programmer Response: Make sure that the SYSCTLG data set is valid, and that the names specified in the CATALOG= and DSGROUP= parameters and the INCLUDE and EXCLUDE statements are correct.

Problem Determination: Table I, items 1, 13, 22, 25a, 25d, 29. Table II, Format 1: trace option - TRACE=SIO,IO. Execute Data Facility Data Set Services to list the contents of the SYSCTLG data set.

IEH436I DATA SET dsname, VOLUME ser, NOT SCRATCHED DUE TO I/O ERROR

Explanation: An uncorrectable input/output error occurred in data set dsname on the volume whose serial number is ser.

System Action: The data set is moved, but not scratched. The return code is 8.

Programmer Response: Scratch the data set.

Problem Determination: Table I, items 1, 13, 22, 25a, 29. Table II, Format 1: trace option—TRACE=SIO, IO.

IEH440I RECFM AND BLKSIZE ARE INCONSISTENT

Explanation: The record format (RECFM) and/or block size (BLKSIZE) specified for the unloaded data set are not the same as those specified for the receiving data set. IEHMOVE will not reblock or change record format while performing a load or unload operation.

System Action: The request is ignored. The return code is 8.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 25a, 29. Execute IEBPTPCH to print the first block of the unloaded data set and save the output.

IEH442I USER LABEL I/O ERROR CAUSED TERM

Explanation: An uncorrectable I/O error occurred when:

- A standard user label exit was present, and the error occurred during label processing.
- A user totaling exit was present, and the error occurred while IEHMOVE was writing data on the output data set.

System Action: The program is terminated. The return code is 12.

Programmer Response: If further handling of the error is desired, the user exit should be expanded to examine the standard status information and then issue an appropriate message.

Problem Determination: None.

IEH450I REQUEST TERMINATED BECAUSE DATA SET SPANS MORE THAN 5 VOLUMES

Explanation: The data set extends over the maximum of five volumes; therefore, the data set is not moved or copied.

System Action: The request is ignored. The return code is 8.

Programmer Response: None.

Problem Determination: Table I, items 1, 13, 22, 25c, 29.

IEH451I TRACK OVERFLOW FEATURE REQUIRED ON DEVICE THAT DOES NOT HAVE TRACK OVERFLOW FEATURE

Explanation: A data set to be moved or copied was originally written with track overflow, but the source device does not support the track overflow feature.

System Action: The request is ignored. The return code is 8.

Programmer Response: Change the job control language to specify a device that supports track overflow.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH452I THE DATA SET BEING MOVED/COPIED IS MARKED UNMOVABLE. UNMOVABLE DATA MUST BE UPDATED BEFORE ITS NEXT USE

Explanation: A data set being moved or copied from one direct access device to another contains location dependent information; that is, the unmovable bit in the DSORG field of the data set control block (DSCB) is on.

System Action: The data set is moved, and processing continues.

Programmer Response: Update the location dependent information in the moved or copied version of the data set.

Problem Determination: Table I, items 1, 13, 25a, 29.

IEH453I through IEH455I DATA SET dsname {UNLOADED | NOT MOVED/COPIED} xxxx

Explanation: Data set dsname was unloaded or was not moved or copied for the reason indicated by xxxx.

System Action: The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29. It may also be necessary to contact the installation security administrator to resolve the problem.

IEH460I INVALID DATA SET ORGANIZATION

Explanation: One of the following error conditions occurred: the source data set is not a partitioned, physical sequential, or direct access (BDAM) data set. Therefore, the data set cannot be processed by IEHMOVE.

System Action: The MOVE/COPY request is ignored. The return code is 12.

Programmer Response: Correct the data set organization specified in the data set control block (DSCB).

Problem Determination: Table I, items 1, 13, 22, 25a, 29.

IEH461I UNABLE TO OPEN {INPUT | SYSIN} DATA SET

Explanation: Either no DD statement was provided to define the input or SYSIN data set, or the block size specified for the data set is not a multiple of the logical record length.

System Action: The MOVE/COPY request is ignored. The return code is 12.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 13, 22, 29.

IEH462I NO RECORD FOUND OCCURRED READING DATA SET dsname.

Explanation: One of the following conditions was encountered while reading a direct organization data set:

- The record format of the data set is fixed (F), and a track within the data set is not completely filled with records.
- The record format is variable (V) or undefined (U), and not all tracks were initialized when the data set was created.
- An uncorrectable error occurred.

System Action: Message IEH361I is also issued. The return code is 8.

Programmer Response: Ensure that the data set conforms to the standards of a direct organization data set.

Problem Determination: Table I, items 1, 13, 22, 29. Table II, Format 1: trace option-TRACE=SIO, IO. Have the data set available.

IEH470I CVOL NOT PERMITTED. DATA SET ASSUMED TO BE CATALOGED IN MASTER CATALOG

Explanation: The parameter CVOL was encountered while scanning a MOVE, COPY, INCLUDE, or REPLACE statement. SYSCTLG data sets are no longer supported. IEHMOVE will attempt to locate the data set through the master catalog.

System Action: IEHMOVE will attempt to locate the data set through the master catalog. If unable to locate, message IEH471I will be issued. The return code is 8.

Programmer Response: The CVOL parameter should be removed from the affected control statement as soon as possible.

Problem Determination: None.

IEH471I DATA SET NOT FOUND IN CATALOG

Explanation: A data set assumed to be cataloged (because of CVOL parameter) was not found in any available VSAM catalog.

System Action: The MOVE/COPY request is ignored. The return code is 12.

Programmer Response: If the data set should be cataloged, execute Access Method Services to catalog the data set. If the data set should not be cataloged, specify the from volume with the keyword FROM=. In any case, the parameter CVOL should be removed.

Problem Determination: None.

IEH472I CANNOT HONOR CATLG REQUEST. DATA SET NOT CATALOGED.

Explanation: For a COPY DSNAME or COPY PDS request, **all** of the following are true:

- The source data set is cataloged (FROM=device=list is not specified).
- The receiving data set is not to be renamed (RENAME= is not specified).
- CVOL processing has not been explicitly requested (CVOL= is not specified).

Since IEHMOVE has located the source data set through the catalog and the receiving data set has the same name, the master catalog operation would be unsuccessful. Therefore, the request is ignored.

System Action: The COPY operation will proceed. The CATLG request is ignored. The return code is 8.

Programmer Response: The CATLG parameter should be removed from the affected control statement as soon as possible.

Problem Determination: None.

IEH473I DATA SET WILL BE CATALOGED IN MASTER/USER CATALOG.

Explanation: In a COPY DSNAME, COPY PDS, COPY DSGROUP, or COPY VOLUME request, a CATLG parameter (implying a request to catalog in a SYSCTLG data set) has been encountered. Since CVOL is no longer supported, cataloging will proceed in the master catalog. If a user catalog is available, the cataloging will take place in the user catalog rather than in the master catalog.

System Action: The COPY operation will proceed. The return code is 4.

Programmer Response: If the cataloging operation is unsatisfactory (takes place in the master catalog rather than in a user catalog), uncatalog the data set and recatalog in the proper catalog using Access Method Services.

Problem Determination: None.

IEH474I data set or data space name HAS DATA ORGANIZATION THAT CANNOT BE MOVED/COPIED.

Explanation: The above is an ISAM data set or VSAM data space, which is not supported by IEHMOVE.

System Action: MOVE/COPY request is ignored. If VOLUME operation or DSGROUP operation, the return code is 4. If

DSNAME or PDS operation, the return code is 12.

Programmer Response: If ISAM or VSAM, use Access Method Services to copy the data set/space.

Problem Determination: None.

IEH475I data set name **IS A MULTIVOLUME DATASET AND HAS NOT BEEN MOVED/COPIED.**

Explanation: The data set is part of a multivolume data set (DS1IND80 'Last volume on which data set resides' was not on, in the DSCB) and only one volume was specified. If it is the last part of a multivolume data set, the MOVE/COPY will proceed normally without any message.

System Action: The MOVE/COPY request is ignored. If a VOLUME operation, the return code is 4 and operation continues with the next data set. If a DSNAME operation, the return code is 12.

Programmer Response: To move a multivolume data set, use a MOVE/COPY DSNAME and specify all volumes that the data set resides on in the control statement and DD statement. **Note:** A maximum of five volumes can be specified.

Problem Determination: None.

IEH476I MINIMUM BUFFER SPACE UNAVAILABLE - SINGLE BUFFERING USED

Explanation: The minimum of 2 input and 2 output buffers for enhanced IEHMOVE move/copy performance could not be obtained because space was not available.

System Action: The system uses a single buffer for the move/copy operation. IEHMOVE performance remains unchanged.

Programmer Response: Specify or increase the value in the REGION parameter of the JOB or EXEC statement to allow sufficient buffers so that IEHMOVE multiple buffering can be used. See JCL for information on specifying the REGION parameter.

Problem Determination: None.

IEH477I BUFFER ALLOCATION STATISTICS FOR SEQUENTIAL DATASET MOVE/COPY OPERATION ARE:

INPUT buffers = xx **- OUTPUT BUFFERS =** yy

BUFFER SPACE OBTAINED = nnnK

INCREASE JCL REGION PARAMETER BY mmmK **TO OBTAIN MAXIMUM BUFFERS**

Explanation: The number of buffers that the system allocated for input and output are xx and yy. The system obtained a buffer size of nnnK. The last line of the message appears only when the region size specified is not sufficient to obtain the maximum number of buffers.

System Action: The data sets were copied/moved using enhanced IEHMOVE multiple buffers.

Programmer Response: If nnnK is less than the maximum, performance may be improved by increasing the value of the REGION parameter as indicated in the last line of the message. See JCL for information on specifying the REGION parameter.

Problem Determination: None.

IEHINITT PROGRAM MESSAGES

IEH601I INVALID CONTROL STATEMENT

Explanation: The construction of the control statement preceding this message is invalid.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. Correct the construction of the preceding statement, and resubmit the job to label those tapes that were bypassed.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH602I INVALID KEYWORD

Explanation: In the control statement preceding this message, a keyword is incorrect.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. Correct the keyword on the preceding statement, and resubmit the job to label those tapes that were bypassed.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH603I INVALID PARAMETER VALUE

Explanation: In the control statement preceding this message, a parameter is incorrect.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. Correct the parameter on the preceding statement, and resubmit the job to label those tapes that were bypassed.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH604I OPERATOR SUPPRESSED VOLUME LABEL ser

Explanation: The tape that was to be labeled with serial number ser was not mounted by the operator.

System Action: The current serial number is reserved for the unmounted tape, and the next number is used for the next tape to be labeled.

Programmer Response: Probable user error. Find out why the tape was not mounted and take any indicated action. Check the console log for additional background.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH605I INVALID DEVICE ALLOCATED ON ddd

Explanation: Device ddd was removed from operation; that is, it is either unacceptable or not online.

System Action: The device is removed from the list of devices allocated to this job step by the associated DD statement. The return code is 8.

Programmer Response: Probable user error. Ensure that the parameters on the applicable DD statement are correct.

Operator Response: None.

Problem Determination: Table I, items 1, 2, 3, 7c, 13, 29.

IEH606I PERMANENT I/O ERROR ON ddd

Explanation: A permanent input/output error was encountered on device ddd.

System Action: The device is removed from the list of devices allocated to this job step by the associated DD statement. The return code is 8.

Programmer Response: None.

Problem Determination: Table I, items 1, 2, 3, 7c, 13, 29.

IEH607I ALLOCATED DEVICES EXHAUSTED

Explanation: All devices allocated to this job step (specified in DD statement associated with the control statement being processed) have been eliminated as mountable devices.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. If message IEH606I precedes this message, ensure that the parameters on the applicable DD statement are correct.

Problem Determination: Table I, items 1, 2, 3, 7c, 13, 29.

IEH608I I/O ERROR ON SYSIN. JOB TERMINATED.

Explanation: A permanent input/output error was encountered while the SYSIN data set was either being opened or being read.

System Action: The job is terminated. The return code is 16.

Programmer Response: Probable user error. Ensure that the DCB parameters on the SYSIN DD statement are correct, particularly the BLOCKSIZE specification. If the DD statement is correct, the error probably occurred when the data set was being read.

Problem Determination: Table I, items 1, 2, 3, 7c, 13, 29.

IEH609I INVALID DEVICE SPECIFIED FOR ASCII LABELING

Explanation: The tape to be initialized in ASCII code is not mounted on a 9-track unit.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. Change the corresponding DD statement to specify a 9-track unit and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH610I INVALID PARM OR PARM LIST PASSED TO IEHINITT

Explanation: An invalid parameter is coded in the EXEC statement or in the parameter list passed by a LINK or ATTACH macro.

System Action: The job is terminated. The return code is 16.

Programmer Response: Probable user error. Check the parameters passed to IEHINITT for validity, and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH611I INVALID DENSITY SPECIFIED, DEFAULT VALUE USED

Explanation: The density specified in the DCB parameter of the DD statement is invalid for the unit requested.

System Action: The default density value for the unit requested is used.

Programmer Response: Probable user error. If the labels are to be written at a different density than the default value, change the density value in the DCB parameter, and relabel the tape(s).

Problem Determination: Table I, items 1, 3, 13, 29.

NOTE: Messages IEH612I through IEH614I apply only to MVS/370 DFP.

IEH612I INVALID VALUE FOR ACCESS CODE

Explanation: A character other than uppercase A-Z was specified as the access code for ANSI tape. sysact.Processing continues with the next INITT statement.

Programmer Response: Probable user error. Check the access code value on the indicated statement. Change to uppercase A-Z.

Problem Determination: Table 1, items 1,3,4.

IEH613I ACCESS KEYWORD INVALID FOR NON-AL TAPE

Explanation: The ACCESS keyword was specified without LABTYPE=AL being specified. The result is an access code-protected standard label tape which is invalid.

System Action: Processing continues with next INITT command. Return code is 8.

Programmer Response: Probable user error. Either specify LABTYPE=AL or remove ACCESS=xxx.

Problem Determination: Table 1, items 1,3,4.

IEH614I Invalid character in SERIAL/OWNERID

Explanation: An invalid character was found in the parameter for the 'SER' or the 'OWNER' keywords. The valid character set differs for SL and AL labels. For more information, see the publication Utilities.

System Action: Processing continues with the next INITT control statement. The return code is 8.

Programmer Response: Probable user error. Correct the parameter value on the preceding statement and resubmit the job to label those tapes that were bypassed.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEHATLAS PROGRAM MESSAGES

IEH900I SUCCESSFUL COMPLETION. AN ALTERNATE TRACK HAS BEEN ASSIGNED. COMPLETION CODE=00

Explanation: An alternate track has been assigned, and data has been transferred from the bad track to the alternate track.

System Action: The job step is terminated.

Programmer Response: None.

Problem Determination: None.

IEH901I SUCCESSFUL COMPLETION. NO ALTERNATE TRACK ASSIGNED. COMPLETION CODE=00

Explanation: The utility successfully rewrote the record in error.

System Action: The job step is terminated.

Programmer Response: None.

Problem Determination: None.

IEH902I I/O ERROR IN ALTERNATE TRACK ASSIGNMENT. COMPLETION CODE=16

Explanation: Input/output errors occurred while attempting to assign an alternate track; therefore, no alternate track was assigned. The number of attempts at assigning the alternate track is equal to the number of alternate tracks available at the time the ATLAS SVC was called or 10% of the number of assigned alternate tracks, whichever is less.

System Action: The program is terminated. The return code is 16.

Programmer Response: Use Device Support Facilities to analyze or format the volume.

Problem Determination: If analyze or format fails, see Table I, item 30.

IEH903I REQUIRED DD CARD MISSING. COMPLETION CODE=16

Explanation: Either the SYSUT1 or SYSIN data set could not be opened. The DD statement defining the data set was not included in the input stream.

System Action: The job step is terminated.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH904I INVALID DCB PARAMETERS FOR SYSIN. COMPLETION CODE=16

Explanation: SYSIN DCB block size was not a multiple of LRECL (80 bytes).

System Action: The job step is terminated.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 2, 3, 13, 29.

IEH905I INVALID OR MISSING CONTROL CARD KEYWORD. COMPLETION CODE=16

Explanation: The control card keyword is missing or is invalid as it appears. The entire control card may be missing. Check for a misspelled keyword or a character in column 1.

System Action: The job step is terminated.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH906I INVALID CHARACTER IN USER-INPUT RECORD. COMPLETION CODE=16

Explanation: A character in the user input record cannot be translated into valid internal code (that is, the character is other than 0-9 or A-F).

System Action: The job step is terminated.

Programmer Response: Probable user error. Examine the TRACK or VTOC utility control statement for 10 bytes of hexadecimal information. Check the input record for valid hexadecimal information. Correct and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH907I DEVICE DOES NOT HAVE SOFTWARE ASSIGNABLE ALTERNATES. COMPLETION CODE=16

Explanation: The device specified in the UCB has no remaining software assignable alternates.

System Action: The job step is terminated.

Programmer Response: None.

Problem Determination: Table I, item 30.

IEH908I ALL ALTERNATE TRACKS FOR THIS DEVICE HAVE BEEN ASSIGNED. COMPLETION CODE=16

Explanation: The format 4 DSCB shows that this device has no alternate tracks available for assignment.

System Action: The job step is terminated.

Programmer Response: None.

Problem Determination: Table I, item 30.

IEH909I REQUESTED STORAGE IS NOT AVAILABLE COMPLETION CODE=16

Explanation: Necessary storage for a work area was not available at the time the GETMAIN was issued.

System Action: The job step is terminated.

Programmer Response: Probable user error. Correct the error and resubmit the job.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH910I MESSAGE TEXT PROVIDED BY SYNADAF MACRO I/O ERROR. COMPLETION CODE=16

Explanation: A permanent error was detected while reading the SYSIN data set.

System Action: The job step is terminated.

Programmer Response: Correct the error condition indicated in the message text. Ensure that the DCB parameters on the SYSIN DD statement are correct.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH911I TRACK ADDRESS PROVIDED DOES NOT BELONG TO DATA SET. COMPLETION CODE=16

Explanation: The address of the record provided on the control card does not belong to the specified data set.

System Action: The job step is terminated.

Programmer Response: Probable user error. Examine the utility control statement to ensure that the cylinder and track address are within the extents of the SYSUT1 data set. If in doubt,

use IEHLIST to list the VTOC. The extents of the data set are listed.

Problem Determination: Table I, items 1, 3, 13, 14, 29.

IEH912I INCORRECT NUMBER OF CHARACTERS IN USER-INPUT RECORD. COMPLETION CODE=16

Explanation: Too few or too many data statements are in the input stream. Check for incorrect record length.

System Action: The job step is terminated.

Programmer Response: Probable user error. Check the data statements for the accurate number of hexadecimal characters. The input record must be the same length as the record being replaced.

Problem Determination: Table I, items 1, 3, 15, 29. Have documentation available showing the original record before failure (backup data).

IEH913I CONDITION OTHER THAN DATA CHECK OR MISSING ADDRESS MARKER. COMPLETION CODE=16

Explanation: An invalid sense byte indication has been detected for the user's channel program or for another channel program to process data on the bad track. IEHATLAS cannot correct the error condition.

System Action: The job step is terminated.

Programmer Response: Surface analyze the volume using Device Support Facilities.

Problem Determination: Table I, item 30.

IEH914I FORMAT 4 DSCB CANNOT BE READ. COMPLETION CODE=16

Explanation: A permanent I/O error was detected when reading the format 4 DSCB. Information concerning the number of alternates available or the address of the next alternate available cannot be retrieved.

System Action: The job step is terminated.

Programmer Response: Surface analyze the volume using Device Support Facilities.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH915I RECORD IN ERROR IS FORMAT 4 DSCB COMPLETION CODE=16

Explanation: IEHATLAS could not successfully rewrite the format 4 DSCB record. No alternative track information is available.

System Action: The job step is terminated.

Programmer Response: Surface analyze the volume using Device Support Facilities.

Problem Determination: Table I, items 1, 3, 13, 28, 29.

IEH916I ERROR FOUND IN COUNT FIELD OF LAST RECORD ON TRACK. COMPLETION CODE=16

Explanation: Count field information cannot be recovered for the last record on a track unless that record is the error record input to the utility, or the CCHHRKDD has been passed to the ATLAS SVC (86). IEHATLAS also requires information regarding track overflow records.

System Action: The job step is terminated.

Programmer Response: Either IEHATLAS or the ATLAS SVC (86) should be given as input to the CCHHRKDD of the last record. Track overflow information is also required if the last record is part of a track overflow data set.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH917I HA OR R0 ERRORS. COMPLETION CODE=16

Explanation: The ATLAS SVC (86) does not accept an R0 error record unless the SVC was entered by the utility. An I/O error in HA or R0 prevents further use of the track on which the error exists.

System Action: The job step is terminated.

Programmer Response: Surface analyze the volume using Device Support Facilities.

Problem Determination: Surface analyze the volume using Device Support Facilities. Table I, items 1, 3, 13, 29.

IEH918I ERROR/ERRORS ENCOUNTERED ALTERNATE ASSIGNED. COMPLETION CODE=16

Explanation: One or more errors were encountered while transferring the data from the bad track to the alternate track. Such a condition does not prevent assignment of an alternate track.

System Action: The job step is terminated.

Programmer Response: Use Data Facility Data Set Services to dump the alternate track and check for data validity.

Problem Determination: Table I, items 1, 3, 14, 15, 29.

IEH919I ALTERNATE TRACK ASSIGNED. I/O ERROR IN RE-EXECUTING USER CHANNEL PROGRAM. COMPLETION CODE=16

Explanation: An alternate track has been assigned, but, because the user's channel program could not be re-executed, the error condition still exists for the original record in error.

System Action: The job step is terminated.

Programmer Response: Submit the AMASPZAP service aid program to dump the data set to check data validity on the alternate track. If the user's channel program cannot be successfully re-executed, submit IEHATLAS to update in place the defective record.

Problem Determination: Table I, items 1, 3, 13, 14, 29.

IEH920I THE DEVICE DOES NOT SUPPORT TRACK OVERFLOW. COMPLETION CODE=16

Explanation: Track overflow support was not included in the device at system generation time.

System Action: The job step is terminated.

Programmer Response: There is a track overflow indication in the DCB, but the UCB indicates that the device does not support track overflow.

Problem Determination: Table I, items 1, 13, 17a, 29.

IEH921I NO ERROR IN SPECIFIED VTOC RECORD. COMPLETION CODE=00

Explanation: The user's VTOC record was read without error. No alternate track was assigned.

System Action: The job step is terminated.

Programmer Response: None.

Problem Determination: None.

IEH922I ERROR/ERRORS ENCOUNTERED CANNOT BE HANDLED. NO ALTERNATE ASSIGNED. COMPLETION CODE=16

Explanation: The conditions which produce this message are:

- Count field errors on more than three records.
- An error on an EOF record when it is not the record specified by the utility program.
- An error in the KDD of the count field of a record other than the specified error record.

Do not move direct-access volumes to more than one other device. Bad volumes may cause damage to devices.

System Action: The job step is terminated.

Programmer Response: Check the return parameter list to determine the record numbers of error records. The last record indicated in the list is the record which caused the unrecoverable condition. If three error records have been listed, then the possibility exists that a fourth read count error was also encountered. Move the volume to another drive and resubmit the job. If the problem still exists, the data cannot be recovered, and the volume should be restored.

Problem Determination: Table I, items 1, 3, 13, 29.

IEH923I NO ERRORS FOUND ON TRACK. NO ALTERNATE ASSIGNED. COMPLETION CODE=16

Explanation: The ATLAS SVC successfully read the indicated error track, and therefore, did not assign an alternate track.

System Action: The job step is terminated.

Programmer Response: Probable user error. The cylinder and track address passed to the ATLAS SVC must specify a track containing an error record.

Problem Determination: Table I, items 1, 15, 29. Have the assembly listing of the program that calls SVC 86 available.

IEH924I VIRTUAL DEVICES ARE NOT SUPPORTED

Explanation: A volume was detected with the Virtual Device or Virtual Volume flag turned on in its associated UCB.

System Action: Processing continues with the next control card.

Programmer Response: Probable user error; a virtual unit should not be specified. Specify a real device.

Problem Determination: Table I, items 1, 3, 11, 29.

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